The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

MAY 22, 1948

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MANCHESTER

Index to Advertisers pp. 5 & 6

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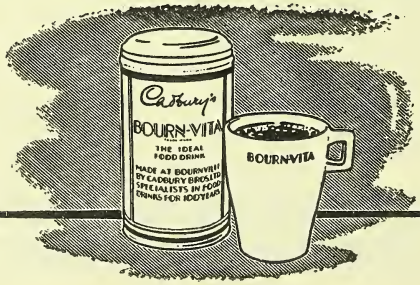

INDEX TO ADVERTISERS

Adelphi Manufacturing Co., Ltd. xvi
Affined Basic Chemicals, Ltd. 26
Allen, J., & Co. xii
Allen, Stafford, & Sons, Ltd. 20
Anglo-Dutch Pharmaceutical Co., Ltd. 14
Ashe Laboratories, Ltd. xi
Askit, Ltd. xxii
Atkinsons 16

Bayer Products, Ltd. i
Box, W. H. 22
Brand & Co., Ltd. xxiii
British Dental Sticks, Ltd. xxvi
British Drug Houses, Ltd., The 5
British Dyewood Co., Ltd. vi
British Felsol Co., Ltd. ..... Cover iv
Brobat Distributors, Ltd. xviii
Brome & Schimmer vii
Brontan, Ltd. xxi
Burrough, James. Ltd. ..... Leader Page
Burroughs, Wellcome & Co. 27
Bush, Beach & Gent, Ltd. ii

Cadbury Bros., Ltd. 4
Carillon Press, Ltd. xiv
Carlton Pharmaceutical Industries, Ltd. xxiv
Carnegie Chemicals (Welwyn), Ltd. ..... Cover iii
Carter's Little Liver Pills xx
Cartwright, W. B., Ltd. 6
Carus, A., & Sons, Ltd. xv
Chemi-Synthetics, Ltd. iv
Chemists Sundries (Wholesale) Co. 12
Ciba Laboratories, Ltd. 28
Clinical Products, Ltd. xix

Cox, Arthur H., & Co., Ltd. 8
Cresswell Bros. & Marks 24
Croda, Ltd. 10
Crosskill, C. R., & Sons xiv
Cuticura Preparations xxvii

D. Bee Food Products, Ltd. xxiv
Daniel, Richard, & Son, Ltd. 13
Daydent xiv
Delf, W. M., & Co. ..... Leader Page
Draper, C. & Co. Ltd. 22
Drury's Pharmaceuticals, Ltd. 12

Edosan, Ltd. 12
Evans, Adlard & Co., Ltd. vii
Evans Medical Supplies, Ltd. 3

Fassett & Johnson, Ltd. vii
Faylene Manufacturing Co. xx
Frankenberg, L., Ltd. vi
Franks, A., & Bartlett Co., Ltd. xviii
Freudentheil, Smith & Co. ..... Leader Page

Gambles, J. C., & Co., Ltd. 10
Gardner, W., & Sons (Glos.), Ltd. xv
Gibson, Robert, & Sons, Ltd. 22
Gillette Industries, Ltd. viii
Glaxo Laboratories, Ltd. 19
Graesser Salicylates, Ltd. vi
Guaranteed Brushes xx

Hall, Forster & Co., Ltd. ..... Leader Page
Hannetta, Ltd. xxvi
Harwoods Laboratories, Ltd. xxviii

(continued overleaf)

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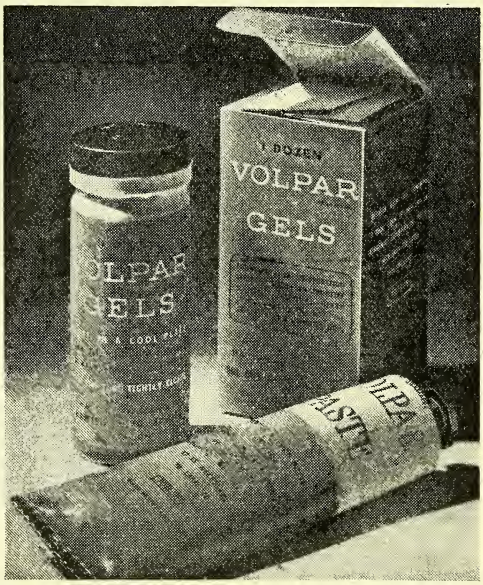

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Vol/T/1

INDEX (cont.)

Ilex Supply Co., Ltd. xxii
Imperial Chemicals (Pharmaceuticals), Ltd. Front Cover
Indigenous Mnfrs. & Produce (Sales) Co. vi
International Chemical Co., Ltd. 9
International Laboratories, Ltd. x

Jeffreys, Miller & Co., Ltd. 14

Kay Bros., Ltd. 26
Kellys, J., (London), Ltd. iv
Kerfoot, T., & Co., Ltd. 4
Knox, John (Stoke-on-Trent), Ltd. 12

Leda Chemicals, Ltd. xx
Lever, Brailsford & Co., Ltd. 14
Lofthouse & Saltmer, Ltd. 22

Macleans, Ltd. 2
Marks, Leslie & Co., Ltd. xiv
Matthews, S., & Co., Ltd. 12
Midgley & Parkinson, Ltd. 14
Monsanto Chemicals, Ltd. 1
Morrison, Guy, & Co., Ltd. xviii

Napp, H. R., Ltd. 18
National Glass Works (York), Ltd. v
National Savings xvi
Nervone ..... Leader Page
Niblett, C. P. xxvi

Organon Laboratories, Ltd. 8

Pears, A. & F., Ltd. ix
Pentecon, Ltd. ii
Pepper, J., & Co., Ltd. xxvi
Percenta, Ltd. xxvi
Pharmaceutical Laboratories, Geigy, Ltd. iv
Pharmaceutical Specialities (May & Baker), Ltd. 17
Picot (Sales), Ltd. 23
Potter & Clarke, Ltd. 25

Rankin Bros. & Sons ..... Leader Page
Reckitt & Colman, Ltd. xxiv
Rendell, W. J., Ltd. 7
Roche Products, Ltd. xxv
Rodmill Chemical Co., Ltd. xvii
Ronaldson, J., & Co., Ltd. ..... Leader Page

Sale, Tilney & Co., Ltd. xiii
Saquerre, Ltd. xx
Scurr, C. A. ..... Leader Page
Seal Products Co., Ltd. 24
Sharp & Dohme, Ltd. 11
Singer, Ernest M. vi
Smith, T. & H., Ltd. iii
Songo ..... Leader Page
Splendor, Ltd. xxii
Standard Synthetics, Ltd. ii
Sturge, John & E., Ltd. 15
Sutton, W., & Co. (London), Ltd. 21

Tampax, Ltd. xxvi
Teasdale & Co., Ltd. 14
Tintex Dyes xv
Town Talk Polish Co. xvi

Waide, Thos., & Sons, Ltd. 13
Ward, T., & Sons, Ltd. ..... Leader Page
Warner, W. R., & Co., Ltd. 24
Watford Chemical Co., Ltd. 14
Watts, J. (Sheffield & London), Ltd. xvii
Westminster Laboratories, Ltd. 26
Wright, Layman & Umney, Ltd. ..... Cover ii

Zeal, G. H., Ltd. xvi

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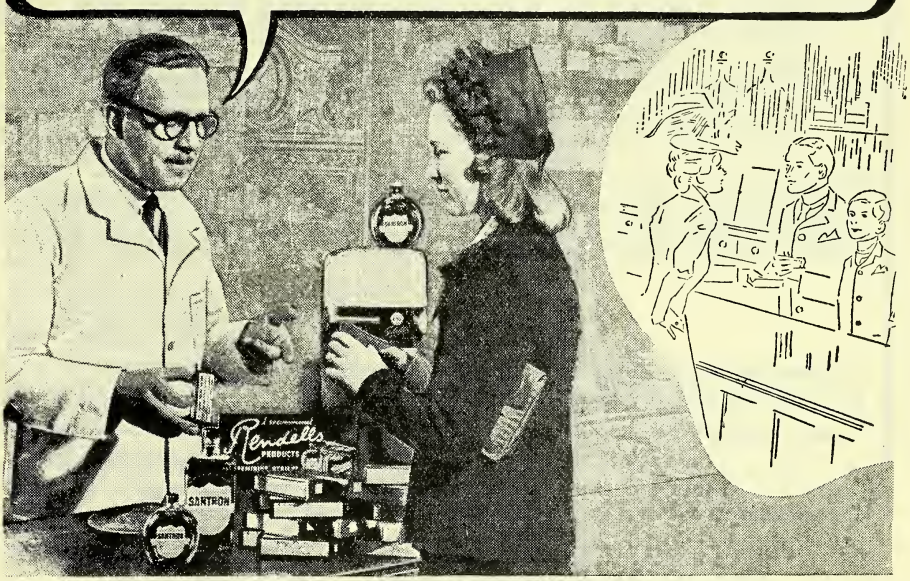

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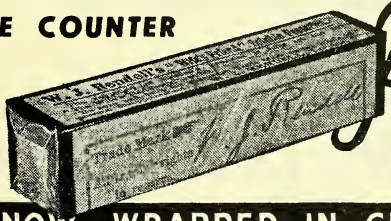

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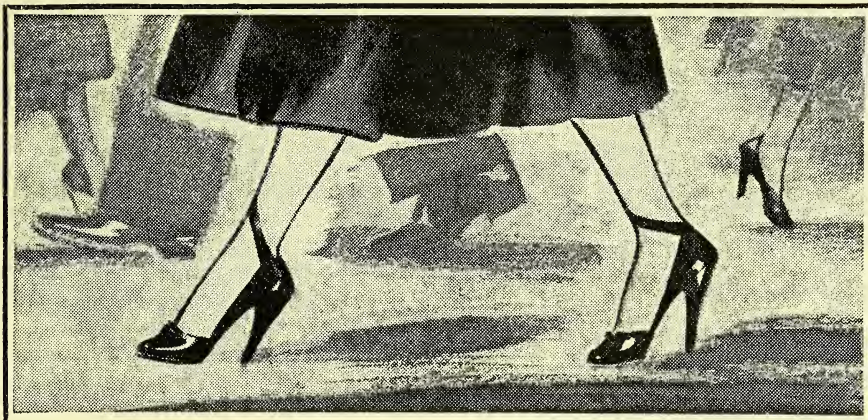

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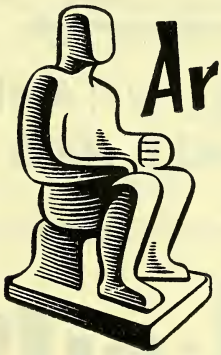

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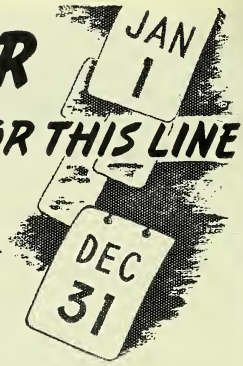

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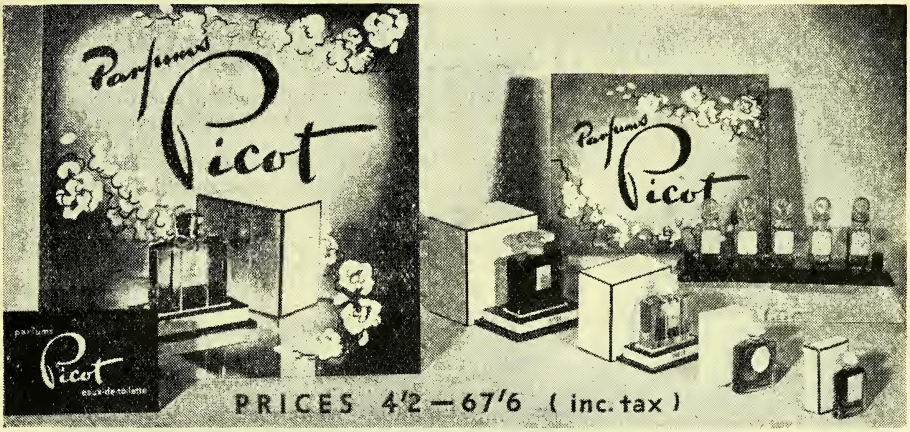

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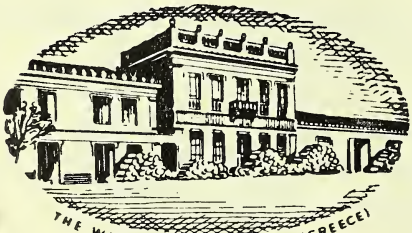

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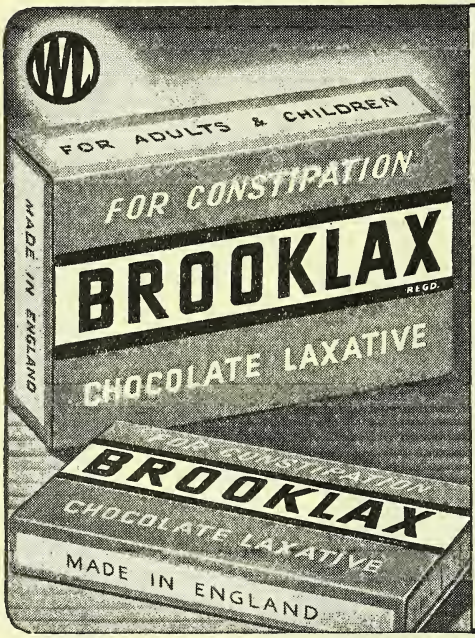

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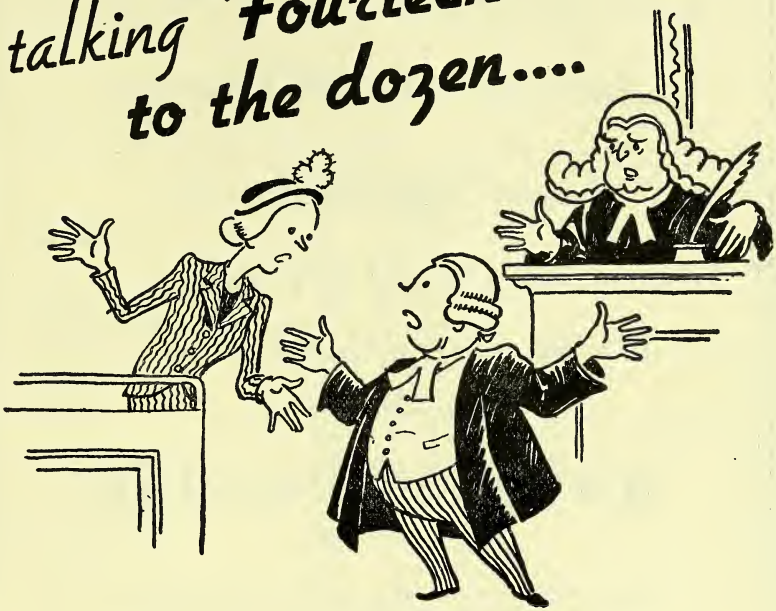

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The

CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

MAY 22, 1948

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gle copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

No. 3561 Volume CXLIX

CONTENTS

A Family Occasion 667
Double Celebration (Pictures) ... 668
Births 660
B.P. Changes at a Glance 673
Business Changes 658
C. & D. Dispensing Price List ... 658
Character of B.P. Revisions 672
Coming Events... 684
Company News 658
Correspondence 680
Deaths 660
Dermatitis from Cosmetics 677
Editorial Articles :—
Tenancy and Goodwill 665
Cosmetics and Health 665
Selenium Insecticides 666
Fifty Years Ago 663
Information Wanted 664
Insurance Act Dispensing 666
Irish News 655
Legal Reports 656
Local News 654
News of the Week 653
N.P.U. Report on N.H.S. Negotiations 662
P. A. T. A. 661
Personalities 660
Pharmaceutical Society of Ireland :
Council Meeting 676
Running a Wholesale Business ... 678
The Week in Parliament 659
Topical Reflections 657
Trade Marks 684
Trade Notes 661
Trade Report 681

NEWS OF THE WEEK

Teaching Hospitals Designated. — The nister of Health has issued an Order (S.I., 8, No. 979) designating certain hospitals l groups of hospitals in the Metropolitan a as teaching hospitals for purposes of National Health Service.

Civil Nursing Reserve's Future.—On advice of the Civil Nursing Reserve visory Council, the Minister of Health decided that the Reserve shall cease exist as a separate body from July 5. e members are to be absorbed into the eral establishment of nurses in the tional Health Service.

Dentists' Pay in N.H.S.—A "Report of Interdepartmental Committee on the nuneration of General Dental Practi- ners," recently published (Cmd. 7402, e fourpence), recommends that, in the tional Health Service, until there are icient dentists to secure a spread of in- nes comparable to that in 1938, a single- ded dentist making full use of all ap- priate assistance and working efficiently 1,500 hours a year at the chair side ther with the hours necessarily spent outside the surgery should receive a net annual income of £1,600 at 1939 values.

Council Election Results.—The result of the election for seven seats on the Council of the Pharmaceutical Society of Great Britain was as follows:—

DEACON, Walter	5789
MCNEAL, James Fallows ...	5717
MELDRUM, Adam Alexander ...	5610
HIRST, Harold Maude... ...	5600
HOWELLS, William Spencer ...	5489
SHAW, Henry Clement ...	4933
WILSON, Frank Clay	4758

The above were declared elected.

GRIFFITHS, Edward Trefor ...	3060
GILMOUR, John	2923
ROSS-MANSELL, John... ...	2620
INMAN, Charles William ...	2461
BEARDSLEY, William James ...	2029
CARGILL, Thomas Sinclair ...	1996

Chemists Federation.—At a meeting of the Chemists Federation Council held on May 6, preliminary arrangements for the Federation's stand at the Chemists' Exhibition were discussed. Two applications for wholesaler membership of the Federation

were not accepted. An application from Ciba Laboratories, Ltd., Horsham, Sussex (all proprietary pharmaceutical preparations) for manufacturer membership was accepted. The following additions to schedules of existing agreements were approved: Ferris & Co., Ltd., (glycerophosphates compound); Wigglesworth, Ltd. (Pedrian foot salve); Brynn Manufacturing Co., Ltd. (Jaybee No. 3 cough pastilles and Johnny Bunny children's cough pastilles). Consideration of applications covering other products was deferred to enable the secretary to discuss with the manufacturers certain amendments of the claims made, labelling, etc. It was resolved not to admit vaccine preparations for oral administration for the prevention or cure of the common cold to the C.F. list until more conclusive medical evidence was available in their support. The Council considered the Finance Bill (No. 2) 1948 as it would affect the sale of proprietary medicines, and agreed that, in the best interests of the public and all sections of the pharmaceutical trade, C.F. manufacturers and wholesalers should be advised to continue, as at present, the distribution of branded proprietary medicines. The president reported on a visit he had paid to the Channel Islands at the request of the local pharmacists. A local C.F. Committee, consisting of three retailers, one manufacturers' representative and a representative of the local C.F. wholesaler had been set up in Jersey. A meeting of Guernsey chemists to discuss C.F. matters was to be held at a later date. The Council approved the appointment of A. M. Ashford, Ltd., 3 Hunter Road, Sheffield, 6, as the sole distributing agent for C.F. products manufactured by Boon Doral, Ltd.

LOCAL NEWS

Whist Drive at Bath.—A well attended whist drive was held by the Bath Branch of the Pharmaceutical Society on May 6. The president (Mr. A. H. Hale) presented the prizes.

Allergy Lecture at Eastbourne.—At a recent meeting of the Eastbourne Branch of the Pharmaceutical Society, Mr. Charles Beaven gave his lecture "The Riddle of Allergy." A vote of thanks was proposed by Dr. Venn Claydon and seconded by Mr. D. Marchant.

College Exhibit. — A materia medica cabinet that was formerly the property of John Francis Vigani (appointed first professor of chemistry at Cambridge University in 1703) is among items to be shown in an exhibition at Queen's College, Cambridge, from June 7, to mark the quincentenary of the college.

Leeds N.P.U. Officers.—At the annual meeting of the Leeds Branch of the National Pharmaceutical Union on May 4, the following officers were elected: *Chairman,* Mr. F. A. A. Jones; *Vice-chairmen,* Messrs. A. L. Peters and L. Carr; *Treasurer,* Mr. F. J. Carr; *Secretary,* Mr. F. Mitchell, 94 Waterloo Road, Leeds, 10.

Blackpool Junior Activities. — The following officers of the junior section of the Blackpool Branch of the Pharmaceutical Society were elected at the annual meeting recently: *President,* Mr. Roy Stuttard; *Vice-president,* Mr. Gordon Barker; *Secretary,* Miss L. I. Anderson, Corbière, Normoss Road, Newton, Blackpool; *Treasurer,* Mr. J. Walker - Blundell; *Sports Secretary,* Mr. H. Taylor. The meeting concluded with a show of medical films. A party from the section recently visited the Evans Biological Institute, Runcorn.

Wembley N.H.S. Discussion.—At the annual meeting of the Wembley Chemists' Association on April 29, a discussion on the National Health Service was led by Messrs. A. R. Cross, Enfield, and H. G. Moss, Feltham. The following officers were elected: *President,* Mr. A. A. Lawrence; *Vice-president,* Mr. E. C. Meredith; *Secretary,* Mr. F. W. Sellwood, 74 Devon Close, Perivale, Middlesex; *Treasurer,* Mr. J. Cooper. The retiring secretary, Mr. E. C. Meredith, in his report, spoke of the lack of enthusiasm of the great majority of the members of the Association; attendance at meetings was deplorably low. Mr. E. Ratcliffe was re-elected National Pharmaceutical Union branch secretary.

Streptomycin Talk at Exeter. — At a meeting of the Exeter Branch of the Pharmaceutical Society on April 30, Dr. G. R. Boyes (Allen & Hanburys, Ltd.) spoke on "Streptomycin and Other Antibiotics." After describing the discovery, isolation and properties of streptomycin, the speaker reviewed animal tests and clinical trials that had been carried out. Recent reports showed that some success had been achieved in tuberculous meningitis by injecting streptomycin as often as four times a day for periods up to four months, but the experiments were still in their early stages. The treatment would at present cost about £2 10s. per day. Mr. L. D. Knight proposed a vote of thanks.

IRISH NEWS

Tralee Pharmacy Dance.—The Tralee Guild of Pharmacy is holding its first dance on September 20, and has issued an appeal for subscriptions, which should be sent to any of the following Tralee pharmacists: Miss M. Kennelly, Messrs. E. Buckley, J. Chute, T. Harty, J. M. Mangan, T. Reidy, P. Walsh.

Staff Dinner in Dublin.—The annual staff dinner of Evans Medical Supplies (Ireland), Ltd., was held in Dublin on May 12. Mr. I. V. L. Ferguson (Evans Medical Supplies, Ltd., Speke, Liverpool, and chairman of the Irish company) with Mrs. Ferguson, crossed to Dublin, and presided at the dinner. Other Irish directors present included Mr. W. R. Such (managing director) with Mrs. Such, Mr. E. B. Willis with Mrs. Willis, and Mr. D. Glavey, M.P.S.I.

I.D.A. Secretary at Cork.—Mr. Brendan Smith (secretary, Irish Drug Association) recently visited Cork to meet the pharmacist members of the Cork Employers' Association. Matters discussed included discounts to guilds and medical benefit societies, effects of the new Health Act, the re-coding of old prescriptions, supplies by wholesalers to hospitals, nursing homes, etc., a demand for increased salaries by the Assistants' Union, and the appointment of a permanent Cork representative on the I.D.A. Executive Committee.

Irish Drug Association. — Mr. J. J. Roche (president) was in the chair at the first of the May meetings of the Committee of the Irish Drug Association, at which a demand was received from the chemists' branch of the Irish Union of Distributive Workers and Clerks for an all-round weekly increase of £1 in existing salaries. Delegates were appointed to meet Union representatives. It was reported that the 1948 price list had been posted to all members. The unusual delay had been entirely outside the control of the Association. It was intended in future to publish a price list each year. It was stated that a request from the Committee to the Department of Industry and Commerce for a revision, or modification, of soap rationing to compensate for the loss of coupons by chemists over the past few years, had been refused. The manufacturers of ethical preparations, it was reported, had rejected a suggestion made by the Committee for the standardisation of packings. The following new members were elected: Mr. E. J. Cassidy, Ph.C., Swinford, co. Mayo; Mr. T. C. Cassidy, Ph.C., Swords, co. Dublin; Lynch's Medical Hall, Oldcastle, co. Meath; Miss Mary Lynch, Ph.C., Ballyhaunis, co. Mayo; O'Dwyer's Pharmacy, Ltd., Tipperary; Mr. B. J. McCloskey, Ph.C., Dublin; Coleman's Pharmacy, Cork; Arthur Mayne, Ltd., Cork; and Walshe's Pharmacy, Cork.

Chemists' and Druggists' Society.—At the annual meeting of the Chemists' and Druggists' Society of Ireland, held in Belfast on May 5, the president (Mr. Fred Storey, C.B.E.) in the chair, the secretary (Mr. H. McQuitty) reported membership maintained and finances sound. He referred with regret to the deaths during the year of Messrs. John Gray, Belfast, and H. Smith, Londonderry. Mr. Storey said he welcomed the representation given to pharmacy under the Northern Ireland Health Services Act. On the motion of Mr. D. Taylor, seconded by Mr. T. McDowell, Mr. Storey was elected *President* for the twenty-ninth successive year. Other officers elected or re-elected were: *Secretary,* Mr. H. M. McQuitty; *Treasurer,* Mr. W. J. Gibson; *Auditors,* Messrs. E. A. Richey and R. Nevin; *Representative to Belfast Chamber of Commerce,* Mr. F. Storey; *Representatives to Northern Ireland Benevolent Fund Committee,* Messrs. E. A. Richey and H. Johnston.

Eire Examination Results. — The following candidates were successful in the recent Licence examination held by the Pharmaceutical Society of Ireland: Mary B. Delaney, Mary B. Hogan, Richard F. Shaw (all with honours); Patricia Burke, Thomas J. Burke, Julia Cashell, Patrick G. Coffey, Mary K. Cullen, Mary Foley, James J. Gannon, Thomas G. Griffin, Mairghead Hickey, James B. Kissane, Norah C Lyons, John P. McCaul, John T. McLoughlin, Leo J. Manley, Mary P. Naughton, Ellen M. Owens, John D. O'Byrne, Muredach G. Reilly, Ellen Spillane, Margaret M. Timmons. In the Assistants' examination the following candidates were successful: Daniel Boylan, William F. Burke, Kathleen Butler, Mary B. Coleman, Eleanor M. Collins, Cailian Conefrey, Peter Cryan, John J. de Loughry, Margaret Fehily, John A. Gleeson, Christopher O. Greene, Hannah M. Leader, Catherine F. P. Leahy, Margaret M. P. McCann, Julia McCarthy, John A. McGahan, Mary T. Mulvey, Margaret M. A. O'Flynn, Mary P. O'Donovan, Anastatia M. O'Regan, Brigid P. Quigley, John Riordan, Daniel Sheahan, Ellen M. Twomey.

LEGAL REPORTS

Unrecorded Drugs.—At High Wycombe, Bucks, magistrates' court, recently, Dr. Margaret Posthuma, Horsley Green, was fined a total of £65 for failing to make entries in a Dangerous Drugs register.

Unauthorised Possession.—At Liverpool city magistrates' court, recently, Turab Ali, an Indian seaman, was sentenced to three months' imprisonment for being in unauthorised possession of Indian hemp.

Injunction and Inquiry.—In the Chancery Division, London, on May 14, Wright, Layman & Umney, Ltd., Southwark Street, London, S.E.1, were granted an injunction restraining William Frederick Thomas Wright, trading as Wright's Chemical Co., Victoria Road, Surbiton, Surrey, from applying to pharmaceutical and toilet goods, not of the plaintiffs' manufacture, the name or style "Wright" or "Wright's" without clearly distinguishing such goods from those of the plaintiffs. The judge refused to grant an injunction restraining Mr. Wright from carrying on his business under any name or title of which "Wright" or "Wright's" formed a part, but granted the plaintiffs an inquiry as to damage. He thought justice would be done if he ordered Mr. Wright to pay half the plaintiffs' costs. For the plaintiffs it was argued that they manufactured a wide range of pharmaceutical and toilet goods and had become known to the trade and public as "Wright's." They objected to the defendant marketing his goods under the titles "Wright's," "Wright's of Surbiton" or "Wright's Chemical Co.", emphasising the word "Wright's," because such titles were likely to cause confusion. Mr. Wright, in his defence, admitted that, in conjunction with the phrase "coal tar" the name "Wright's" was distinctive, but denied the wider claim to the use of the name. He admitted that he had sold baby powder and nail varnish in containers bearing the word "Wright's" and "lanoline" in tins labelled "manufactured and guaranteed by Wright's Chemical Co., Surbiton," but denied that he passed off the products or any others as those of the plaintiffs. The judge said that no evidence of actual passing-off had been adduced; the case rested on the plaintiffs' apprehension that confusion would be caused between their business and Mr. Wright's. Since 1943 Mr. Wright had not traded under his own name. In that year he chose a "fancy" name: Wright's Chemical Co. He had also dropped the use of his initials on certain containers and used the word "Wright's." To do this, from whatever motive, was to court confusion with regard to the plaintiffs' reputation. There was no evidence of confusion among the public but there were two striking instances in the trade. The judge said he had come to the conclusion that, if Mr. Wright were allowed to continue to apply to articles only the name "Wright" or "Wright's," confusion was inevitable and could only result in his selling goods under the shield of the plaintiffs' reputation. It was not said that he had been dishonest and he (the judge) acquitted him of that. His lordship said he would grant an injunction with regard to applying the words "Wright" or "Wright's" to his goods, but he would not grant the second injunction for which the plaintiffs asked. It was not the style under which Mr. Wright carried on his business, but the description he applied to his goods that might cause confusion.

Summonses Not Heard.—At Marlborough Street, London, police court, on May 12, the magistrate, after hearing the contents of a letter sent to the court by the prosecuting solicitor, allowed some of the charges against one defendant, alleging contravention of the Pharmacy Act, 1941, to be withdrawn. The hearing of charges against three other defendants was adjourned. The defendants were British Biochemic Association Supplies, Ltd., Mortimer Street, Cavendish Square, London, W.1.; Henry Gilbert, the Biochemic Centre, Church Trees, Grantham, Lincs; Agnes and Kathleen Mary Gilbert, both of Church Trees, Grantham. They were summoned for taking part, on January 23, at Mortimer Street, in publishing an advertisement in a booklet by "Dr. Henry Gilbert" described as "Home Treatment" of an article—"tissue remedies"—in terms calculated to lead to the use of the article for the treatment of human beings for locomotor ataxy, paralysis, cataract, Bright's disease, diabetes and tuberculosis. The magistrate's clerk said that the solicitor prosecuting for the Pharmaceutical Society had written a letter applying for permission to withdraw the summonses against Kathleen Mary Gilbert, it having been established that she had resigned her directorship before the date of the alleged offence. The magistrate allowed the appropriate summonses to be withdrawn and adjourned the remainder.

TOPICAL REFLECTIONS

Tax on Proprietary Medicines

The able statement of the chairman of the Proprietary Association of Great Britain (Mr. F. A. S. Gwatkin) on pp. 640-41 sets forth clearly the case for removing the present tax on proprietary medicines. The background of this discrimination between branded and unbranded medicaments is relevant to the situation described by Mr. Gwatkin. In the beginnings of Dover's powder and James's powder we have a clear-cut distinction between a non-proprietary and a proprietary article; the point to be noted here is that the distinction is, for practical purposes, trivial. In 1732 Thomas Dover published the formula of his powder: in 1747 Robert James obtained a patent for a powder and a pill. Both were recognised, in a sense, in the Pharmacopœia Londinensis of 1788, though Dover's name was withheld from the title adopted and James's Powder was still more indirectly represented by a substitute. Neither of the powders was quite satisfactory by modern medical and pharmaceutical standards. The bedtime dose of opium (unstandardised, of course) in Dover's powder was about 3.5 gr. to 6 gr.; and James included in his specification the remark: "It is impossible for any one that does not see or attend to the process, to specify the precise dose . . . " The popularity of both these medicines preceded their half-hearted recognition in the P.L., and continued long after it. Evidence of the great interest taken in James's Powder in scientific quarters is to be found in the Philosophical Transactions of the Royal Society for 1791 and 1801.

Some Difficulties

One point that may have escaped notice in Mr. Gwatkin's Press conference is the effect of purchase-tax discrimination on C.F. products. Retailers will, if the tax is levied, have the delicate task of advising customers on a choice between taxed branded C.F. goods and the corresponding tax-free articles. None but exporters know, I suppose, why the production of branded articles for export only would be "commercially impracticable." If, however, this is the present position, I suggest to the exporters concerned that desperate diseases call for desperate remedies. In any case the disappearance — even the temporary disappearance — of branded articles from the home market would involve some loss of a prestige not easily recoverable. There should be ways and means of drawing up advertisements to explain the situation. Among the general public is a widespread sense of fairness, vague at times, no doubt, but genuine. In my experience this large potential market is more likely to be attracted by temperate, "objective" statements than by high-pitched appeals. People of common sense have seen enough cheaply sensational and feebly humorous advertisements since the war ended to render the "pulling power" of such effusions either a cipher or a minus quantity.

Discoveries of Alkaloids

After reading the illustrated account (pp. 644-46) of the sequel to the announcement of Mr. W. G. Whiffen's process for the purification of emetine, my thoughts passed to other alkaloidal discoveries. How many of them are there that have not been made by pharmacists? Technical chemists and "scientific" chemists have been interested from time to time in the extraction and identification of alkaloids; but a review of the literature of the subject would, I believe, show that most of the work has been done by practitioners of pharmacy. A few months ago I re-received from the American Institute of the History of Pharmacy an excellent photograph of the statue erected in Paris in 1900 to Pelletier and Caventou. (Only the pedestal now remains, the bronze figures having been removed during the German occupation of the city). These two pharmacists published their discovery of quinine in 1820. The early years of the nineteenth century were a period of great activity in alkaloidal investigation. Either alone or in collaboration with colleagues, Pelletier conducted research into the active principles of various drugs, and the isolation of several alkaloids is credited to him. As students of pharmaceutical history know, he was not the only distinguished worker on those lines during the period named: Vauquelin and others were engaged in the same field. It is probable that in the seventeenth century Boyle would have succeeded in isolating one or more alkaloids if the chemistry of his day had provided him with better theories and better reagents. Once the difficulties of obtaining any alkaloid in a pure or nearly pure state had been surmounted, discoveries followed each other rapidly.

Xrayser

COMPANY NEWS

CORELA (LONDON), LTD. (P.C.).—Capital £500. To carry on the business of manufacturing chemists, etc. Norah Redfern, director. R.O.: 80B Dean Street, London, W.1.

GROVE PHARMACY, LTD. (P.C.).—Capital £1,000. To acquire the business of a chemist carried on at 498 Fairfax Drive, Westcliff-on-Sea. Katharine M. Davis and John Davis, directors.

BOUTWOOD DRUG CO., LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing and general chemists, etc. The first directors are to be appointed. G. A. Crook, secretary, 43 Beresford Road, London, N.8.

JECA TRADING CO., LTD. (P.C.).—Capital £100. To carry on the business of importers, exporters and distributors of drugs, chemicals, etc. Jens Sorensen and Soster Sorensen, directors. R.O.: 7 Ludgate Broadway, London, E.C.4.

PIONEER DRUG & CHEMICAL CO., LTD. (P.C.).—Capital £500. To carry on the business of wholesale and retail chemists, etc. Abraham Rudnick and Hester Rudnick, directors. R.O.: 13 Whitechapel, Liverpool, 1.

D. F. WORTLEY, LTD. (P.C.).—Capital £5,000. To carry on the business of chemists, druggists, etc. Dennis F. Wortley, M.P.S., 183 Heanor Road, Ilkeston, Eliza Wortley and Harry M. Wortley, directors.

ROBERT RAMSDALE, LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturers of toilet requisites and preparations, perfumery, etc. Robert Ramsdale and Louisa M. Ramsdale, directors. R.O.: 1 Crown Street, Chorley, Lancs.

HOLBORN SURGICAL & VETERINARY INSTRUMENTS, LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturers of and dealers in surgical and veterinary instruments, etc. Mark C. Rimmer and Mark C. Rimmer, junior, directors. R.O.: Cubbon House, 15 Charterhouse Street, London, E.C.1.

JANET MOORE, LTD. (P.C.).—Capital £2,000. To acquire from Ralph M. Bayley and Joyce G. Bayley the business of manufacturers of toilet articles now carried on by them at Harrow as "Janet Moore" and/or "Janet Moore's." First directors are not named. Solicitors: Royds Rawstorne & Co., 46 Bedford Square, London, W.C.1.

EVANS, GRAY & HOOD, LTD. — The directors announce that the capital of the company has been increased to £50,000.

BOOTS PURE DRUG CO., LTD.—Sir Jack Drummond, D.Sc., F.R.I.C., F.R.S., has been appointed to the board in place of Mr. E. L. B. Thomas, who has retired.

EVANS MEDICAL SUPPLIES, LTD.—Net profit for 1947 amounts to £41,197, after providing for taxation, against £50,637 (after crediting adjustments in respect of Government contracts). The dividend on the ordinary stock is maintained at 10 per cent.

W. J. BUSH & CO., LTD.—Net profit for 1947, before providing for taxation, amounts to £314,933, against £238,622. A final ordinary dividend is recommended of 8 per cent., making 12 per cent., the same as in the previous year.

BUSINESS CHANGES

SCOTTISH PERFUMES, LTD., 43 Virginia Street, Glasgow, C.1, have appointed Mrs. A. M. Alexander their representative for London and the south coast.

EVANS MEDICAL SUPPLIES, LTD., have appointed Mr. C. A. Kerr, Ph.D., D.Sc., F.R.I.C., manager of their organic compounds unit.

C. & D. DISPENSING PRICE LIST

THE table below gives the principal price changes that took effect in April.

Cost		*Due allowance has been made for purchase tax at current rates in both cost and dispensing prices*	Dispensing price		
			4 oz.	1 oz.	1 dr.
d.	*per*		*s. d.*	*s. d.*	*s. d.*
21	lb.	Acetonum ..	0 9	0 2½	—
642	pt.	Alcohol 95 per cent.	—	6 6	1 0
612	pt.	Alcohol 90 per cent.	—	6 2	0 11
60	oz.	Alcohol dehydratum ..	—	7 0	1 0
52	oz.	Aqua cari conc.	—	7 7	1 1
42	oz.	Aqua fœniculi conc.	—	6 4	0 11
66	oz.	Barbitonum R. only	—	—	1 7
67	oz.	Barbitonum solubile R. only	—	—	1 7
54	oz.	Caffeina ..	—	7 11	1 3
96	oz.	Caffeinæ valer. ..	—	—	3 0
168	lb.	Camphor (natural) ..	—	1 9	0 3
32	oz.	Chlorbutol ..	—	4 8	0 8
60	lb.	Collodod. flexile (meth.) ..	1 9	0 7	—
104	lb.	Ichthammol ..	3 8	1 0	0 2
48	oz.	Methylacetanilidum P.1. (8)..	—	7 0	1 0
150	lb.	Ol. amygdalæ ..	5 3	1 6	0 3
11	oz.	Ol. anisi ..	—	1 8	0 3
48	oz.	Ol. myristicæ exot.	—	7 0	1 0
61	oz.	Phenazonum ..	—	9 0	1 3
54	oz.	Theobromina ..	—	—	1 4
33	oz.	Theobromina et sodii salicyl. ..	—	—	0 9
32	oz.	Tinct. cocci ..	—	4 8	0 8
96	lb.	Tinct. rhei co. ..	3 5	1 0	0 2
132	lb.	Vin. aloes B.P.C.	4 9	1 4	0 3
108	lb.	Vin. antimoniale P.1. (9) ..	3 8	1 0	0 2
160	lb.	Vinum colchici P.1. (9) ..	5 8	1 7	0 3
101	lb.	Vin. ferri ..	3 8	1 0	0 2
88	lb.	Vin. ferri citratis	3 2	0 11	0 2
124	lb.	Vin. pepsini ..	4 4	1 3	0 2

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. A. D. DODDS-PARKER asked the President of the Board of Trade, on May 12, whether he would postpone the proposed destruction of stocks of deteriorated East African pyrethrum until the possibility of making use of the material by a new process was fully investigated.

MR. A. G. BOTTOMLEY: The destruction of surplus pyrethrum flowers was agreed with representatives of the East African Government and growers. The East African High Commissioner has been asked to report regarding the new process for treating pyrethrum flowers and as to the desirability of suspending further destruction pending the result of their investigations.

Committee on Opticians

MR. G. R. MITCHISON asked the Minister of Health, on May 13, if he had considered representations from the Joint Emergency Committee of the optical profession asking that provision should be made by legislation for registering opticians, and what action he proposed to take.

MR. ANEURIN BEVAN: The Secretary for Scotland and I propose to set up an interdepartmental committee to consider and advise whether such legislation would be to the public advantage and, if so, how registration could best be carried out and what qualifications should be required.

Exports of Surgical Instruments

MR. A. M. SKEFFINGTON asked the President of the Board of Trade the exports in 1946 and 1947 of surgical instruments and *x*-ray equipment. MR. HAROLD WILSON replied that exports of medical and surgical instruments were valued at £835,000 in 1946 and £594,000 in 1947. Exports of *x*-ray apparatus in those years were valued at £520,000 and £542,000, but the figures excluded *x*-ray tubes and valves. Further asked whether, in view of the high conversion value of steel, particularly for surgical instruments, he would see if it was possible to get an increased allocation for "this valuable export trade," he agreed the industry was valuable, but said the steel position was difficult.

Streptomycin Supplies

COLONEL U. CORBETT asked the Minister of Health what arrangements were being made for the manufacture of streptomycin in this country, what quantities of the drug were available, whence they came, what regulations governed its distribution, and in what way the streptomycin was being made available for the treatment of tuberculosis. MR. ANEURIN BEVAN replied that production in this country was being developed by three manufacturers, and delivery on contracts placed by the Ministry had begun. For the present the department was mainly dependent on supplies from the United States. About 15 kilos monthly was being distributed to hospitals.

Whisky and Brandy as Medicines

MR. D. L. M. RENTON asked the Minister of Food, on May 13, what steps he had taken to ensure that the need to export as much whisky and brandy as possible did not interfere with supplies to chemists for medicinal purposes, and whether any priority in supplies was given to people for whom they were medically recommended. MR. STRACHEY replied that he was satisfied that, notwithstanding the present limited supplies of whisky, no special arrangements were necessary.

Sodium Selenate as Insecticide

MR. B. JANNER asked the Minister of Agriculture, on May 13, whether he was aware that sodium selenate insecticide "used by horticulturists in this country," was dangerous to human beings, and whether he proposed to take any steps to control its use. MR. GEORGE BROWN (Joint Parliamentary Secretary) replied that so far as he knew the horticultural use of the chemical in this country had been confined to experimental work, but he was making further inquiries and consulting other Government Departments concerned as to what steps were necessary to control its use (see also p. 666).

Salaries of Civil Service Chemists

SIR E. GRAHAM-LITTLE asked the Lord President of the Council if he was aware that the average salary earned by chemists in industry was usually hundreds of pounds higher than the average salary earned by chemists in the same group in Government departments. Sir S. Cripps said he had been asked to reply. He could not agree that qualified chemists in Government departments were underpaid. The salaries of the various classes of the Civil Service in which chemists were employed had been revised since the war.

BIRTH

MORSON.—At Loughton, Essex, on May 18, Biddy (née Fowler), the wife of Geoffrey T. Morson, M.C. (Thomas Morson & Son, Ltd., Ponders End, Middlesex), of a son (Nigel Thomas).

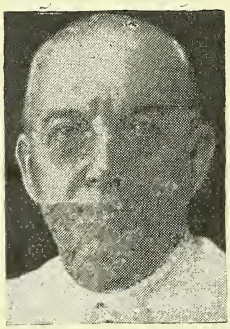
DEATHS

BAXTER. — Recently, Mr. Cyril Harry Mills Baxter, West Road, Bourne, Lincs, aged sixty-nine. Mr. Baxter, who qualified as a chemist and druggist in 1903, was principal of Mills & Baxter (now Boots, Ltd.), chemists, Bourne, a business that had been carried on before him by his father and grandfather. He was a director of Mills (Bourne Waters), Ltd., mineral water manufacturers. Mr. Baxter is survived by his widow, a son and a daughter.

BRIDGES.—On May 3, Mr. Herbert Bridges, Ph.C., 303 Dereham Road, Norwich, aged seventy-four. Mr. Bridges qualified as a chemist and druggist in 1895 and passed the Pharmaceutical Chemist examination the same year.

GARNHAM. — At 50 Alexandra Drive, Surbiton, Surrey, on April 23, Mr. Stanley Sidney Garnham, M.P.S., Valley House, Valley Road, St. Helier, Jersey, aged fifty. Mr. Garnham qualified in 1925.

GRAHAM.—At 10 Clydesdale Street, Mossend, Lanarks, on May 10, Mr. David Graham, M.P.S., aged eighty-two. Born at Bellshill, Lanarks, Mr. Graham qualified in 1887 and two years later took a post with Maynard & Co., chemists, Singapore. In 1896 he purchased the company's Penang branch and carried on the business under the name of D. Graham & Co., Ltd. In 1912, after two years in Britain, he returned to Malaya to join Oldfields Dispensary, Ipoh, and in 1924 purchased the Teluk Anson branch where he remained until his return to Britain.



LUPTON. — On May 4, Mr. John Arthur Lupton, M.P.S., 44 Grosvenor Terrace, York, aged eighty-nine. Mr. Lupton, who qualified in 1882, had several years' London experience before taking over his father's business, Lupton & Son, the Bootham Pharmacy, York, of which he was a partner. Mr. Lupton was treasurer of the York Chemists' Association from its foundation until 1947. The Association was represented at his funeral by Messrs. J. P. Parker, G. A. Coverdale and J. Saville.

PRIOR.—On May 11, Alderman James Siddall Prior, Ph.C., 2 Broad Street, Stamford, aged seventy-six. A native of Manchester, Mr. Prior qualified in 1894 and passed the Pharmaceutical Chemist examination the following year. After experience in London, Eastbourne, Nottingham and Cambridge, he acquired in 1897 the business in Stamford High Street which he carried on until he retired in 1929. He was twice president of the Peterborough Chemists' Association and had held office as president of the Kesteven (Lincs) Chemists' Association and East Anglian Federation of Pharmacists. He was an ex-president of the Stamford Chamber of Trade and secretary of the local Horticultural Association. He is survived by an only daughter.

TIMS.—At his home, Keston, Kent, on May 8, Mr. William Marvin Tims, aged seventy-seven. Mr. Tims served his apprenticeship at the Army and Navy Stores, London, and qualified as a chemist and druggist in 1904. He gained experience in Lewes, Bishop's Stortford and Weymouth before setting up in 1907 the business at Cobham, Surrey, from which he retired in 1938. Mr. Tims took an active part in local pharmaceutical politics, and was president of the Thames Valley Association in 1934. He was a member for many years of the Surrey Pharmaceutical Committee. The funeral was at Weymouth on May 13. A wreath was sent by Thames Valley Pharmacists' Association.

PERSONALITIES

MR. P. A. BRADY (president of the Pharmaceutical Society of Ireland) and Mr. T. C. SCOTT (vice-president) were guests at a reception given by the President of Eire in Dublin, on the occasion of the Royal Medico-Psychological Conference held in Dublin recently.

AWARDS by the Royal Society of Edinburgh have been made recently to DR. RALSTON PATERSON, director of the Holt Radium Institute, Manchester, for a book on radiotherapy, and to DR. P. C. KOLLER, Royal Cancer Hospital, London, for researches on the effect of radiation by *x*-rays on experimental and pathological material.

TRADE NOTES

Display Card.—A cut-out display card for use with Sudex packed senna pods is available from the suppliers of this item, the Sudex Senna Co., 6 Cole Street, London, S.E.1.

Policy Statement.—Picot (Sales), Ltd., 168 Hammersmith Road, London, W.6, state that they adhere strictly to their policy of limiting sales outlets to appointed agents in the United Kingdom. Inquiries are invited from districts in which there is no agency at present.

Price Changes.—Burroughs Wellcome & Co. (the Wellcome Foundation, Ltd.), 183 Euston Road, London, N.W.1, notify a reduction in the price of Wellcome brand injection of ergometrine, 0.5 mgm. in 1 c.c.; the preparation is issued in boxes of 100 ampoules and is exempt from purchase tax.

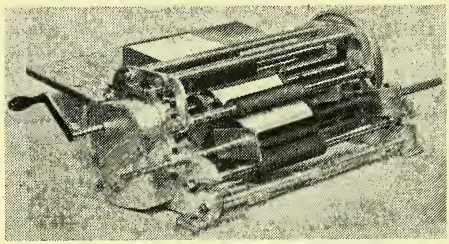
Now Taxed at Lower Rate.—Universal Brush Co., Ltd., Dallow Road, Luton, Beds, state that the prices given in the company's advertisement in the May 8 issue of the *C. & D.* inaccurately included the higher rate of purchase tax. The brushes are, of course, subject to the new lower rate introduced in the recent Budget.

Sunburn Preventive. — Colloidal Chemists, Ltd., 35A Bessborough Place, London, S.W.1, have introduced under the name Quick-Tan a new preparation designed to enable sunbathers to become tanned quickly and safely. The preparation is claimed to absorb only the ultraviolet rays. The base is of a new non-greasy type.

New Pack. — J. E. Ellis, Ltd., Horsforth, Leeds, manufacturers of Daisy powders, are now issuing the product in

heat-sealed "sleeves" in display cartons of thirty powders, or on display cards of forty powders. The new pack was shown for the first time at the British Industries Fair.

Automatic Labeller. — A fully automatic labelling machine for bottles or tins 2½ in. to 4½ in. in diameter is offered by Berna Engineering Co., 4 Legge Lane,



Birmingham, 1. Within that range the machine, which is electrically driven, is readily adjustable for labels of varying size and for bottles of different diameter and length. Perfect register is claimed, and the machine may be used, if desired, for gumming only.

Proprietary Articles Trade Association

Additions to Protected List (Part 1).—*Stemco, Ltd.*, Cream of Nujol, 16-oz., 30s. doz., tax 33⅓ per cent., inclusive retail price 4s. 4d.; cream of Nujol with phenolphthalein, 16-oz., 30s. doz., tax 33⅓ per cent., i.r.p. 4s. 4d.; Semprolia DDT hair emulsion, 2-oz., 8s. doz., tax 33⅓ per cent., i.r.p. 1s. 3d. Prices in Eire: Semprolia brand medicated hair oil, N.W.F., 2-oz., 9s. doz., 1s. 1½d. each; Semprolia DDT hair emulsion, 2-oz., 9s. doz., 1s. 1½d. each.

Alterations (Part 1).—*Cataline Co., Ltd.*, Cataline, 33s. 9d. doz., tax 33⅓ per cent., i.r.p. 4s. 6d.; three doz., 33s. 4d. doz.; six doz., 32s. 10d. doz.

Gynoclinical Laboratories, Ltd., M.28 for menstrual pains, 24s. doz., tax 33⅓ per cent., i.r.p. 3s. 8d.

Knoll, Ltd., Cardiazol ampoules, 1.1-c.c., 6's, 33s. 9d. doz., 3s. 9d.; 30's, 132s. 9d. doz., 14s. 9d.; 80's, 337s. 6d. doz., 37s. 6d. Cardiazol liquid, 10-c.c., 24s. 9d., doz., 2s. 9d.; ampoules, 3-c.c., 2's, 33s. 9d. doz., 3s. 9d.; 3-c.c., 10's, 148s. 6d. doz., 16s. 6d.; 5-c.c., 2's, 38s. 3d. doz., 4s. 3d. Cardiazol ephedrine ampoules, 1.1-c.c., 6's, 33s. 9d. doz., 3s. 9d.; quinine ampoules, 30's, 207s. doz., 23s.; 80's, 517s. 6d. doz., 57s. 6d. (all exempt from tax).

Savory & Moore, Ltd., Medilax, 11s. 4d. doz., tax 33⅓ per cent., i.r.p. 1s. 7d., 27s. doz., tax 33⅓ per cent., i.r.p. 3s. 9d.

Scott & Bowne, Ltd., Prices in Eire: Scott's emulsion, 28s. 10d. doz., 3s.; 48s. doz., 5s. 45s. parcels, 27s. and 45s. doz., respectively.

Thos. Christy & Co., Ltd., Zepto tartar-remover, 6s. doz., tax 33⅓ per cent., i.r.p. 11d.

Rodmilt Chemical Co., Ltd., Bonus offer: Retailers receive discount of 10 per cent. on three doz. small or one doz. large Rod-Antu rodenticide.

Trufood, Ltd., Carriage now paid to retailers on ½-doz. tins instead of £2 lots.

N.P.U. REPORT ON N.H.S. NEGOTIATIONS

In a letter to branch secretaries, the secretary of the National Pharmaceutical Union (Mr. G. A. Mallinson) states that, when the conferences of N.P.U. Branches and Pharmaceutical Committees were fixed for June 3, the Executive expected to be able to circulate in advance the Ministry of Health proposals. Discussions had not yet produced a definite offer. The Union opened negotiations on the basis of securing assurances that the following main principles would be incorporated in the terms:—

(*a*) Payment comparable with that for private dispensing.

(*b*) Method of payment that gives the pharmacist a clear idea of actual remuneration he receives.

(*c*) Elimination of doubt about prompt payments.

(*d*) Uniformity on basic remuneration as between England and Wales and Scotland.

(*e*) Protection for the pharmacist against injustices due to the prescribing habits of some doctors.

(*f*) Information about the normal hours of service expected.

(*g*) Payment for special services out of those hours.

(*h*) Alteration of the conditions governing pharmaceutical service in rural areas.

Dispensing costs based on the Roskill and Working Party reports are the subject of discussions between the Ministry of Health and the Treasury. The negotiators have suggested that a system of flat rates could be worked out to cover 75 per cent. of total prescriptions; the remainder would require detailed pricing. The flat-rate suggestion was safeguarded by a condition that, where ingredients, oncost and container together exceeded 50 per cent. of the flat rate, the prescription should be priced out in detail from the tariff, adding an agreed fee. Under such a system pharmacists would have a clear idea of what they were being paid, and pricing difficulties and delays in payment would be overcome. Uniformity of basic tariff throughout Great Britain is described as a logical result of the Working Party report. Protection of pharmacists against injustices due to the prescribing habits of certain doctors could be achieved by an addition to the dispensing fee according to dosage or quantity. The normal hours of service proposed are 9 a.m. to 6 p.m., with one hour extra by rota after those hours; on half-holidays, one hour in the evening by rota; on Sundays, one hour at midday or evening by rota; on bank holidays, a similar service by rota. Extra remuneration for rota services is under consideration. Claims have also been made that there should be extra payment for special services out of agreed hours, and for every other kind of special services. The regulation governing rural areas has not been accepted as published; the matter is under discussion with the Ministry and British Medical Association.

The statement adds that some recognition has been secured of the claim that payment should be comparable with private dispensing, but that the difficulty of reconciling varying standards in different parts of the country will be appreciated.

Payment by "flat rate" has been accepted, and the method should clear up doubts about prompt payment; it has also been agreed that basic uniformity of terms between Scotland and England should be possible, and the Ministry has accepted the principle of protecting pharmacists against injustices due to prescribers' faults. Normal hours of service have been agreed, but the question of payment for out-of-hours service has still to be decided.

A deputation from the N.P.U. Contractor's Committee met the Ministry of Health representatives on May 11. "Whilst the various principles mentioned were settled, no progress was made so far as the basic remuneration was concerned because the sanction of the Treasury has to be obtained for any expenditure under the new Act." Meetings with the Ministry, arranged to take place before June 1, will clarify the financial position, and, it is hoped, enable a specific offer from the Ministry to be placed before the Conference on June 3.

In the circumstances, the secretary considers it impossible to provide an agenda for the conferences, but a memorandum is submitted giving details of the method by which the flat-rate system would operate. The principles accepted by the Ministry require conference approval.

N.P.U. Plan of Payment

The main objects of the method of payment suggested by the N.P.U. are given in a second memorandum as being:—

(*a*) To secure to the pharmacist payment which is comparable with that received from private dispensing;

(*b*) To simplify the work of the Pricing Offices, and

(*c*) To give the pharmacist a clear idea of the actual remuneration he receives. Under the system payment per prescription would be made as follows (the figures used have not been agreed with the Ministry; they are intended to illustrate the N.P.U. idea of how the plan works):—

Flat Rate

Prescription form comprising one prescription, 2s. 3d.; two prescriptions, 4s.; three, 5s. 6d.; four, 7s.; five, 8s. 6d.; six, 10s. The flat rates are inclusive of ingredients and container, provided the cost at Tariff prices does not exceed 50 per cent. of the appropriate flat rate.

Exceptions to Flat Rate

(*a*) Dosage (*Mixtures, gargles, drops, lotions, liniments, paints and other compound liquid medicaments*).—Flat-rate prescriptions with more than sixteen doses of a mixture, or 8 oz. of a lotion, gargle or liniment, at the flat rate plus additional fees as follows: For a mixture of up to 24 doses, 6d.; over twenty-four and up to thirty-two doses, 1s.; over thirty-two doses, 1s. 6d. For lotions, etc., flat rate plus 1s. for double quantity; flat rate plus 1s. 6d. for over double quantity. Standard quantity in N.W.F. to be taken as basis for other liquid medicaments.

(*b*) Quantity (*Cachets, powders, pills, tablets, lozenges, pastilles, hard capsules, ointments, creams, pastes, confections, suppositories*).—Flat-rate prescriptions with more than twelve cachets, powders, suppositories, fifty tablets, pills or hard capsules or more than 8 oz. of solid medicament, or more than one plaster or blister, to be priced at flat rate plus 1s. up to double, then an additional 6d. for any quantity over double.

(*c*) Ingredients of Scripts exceeding 50 per cent. of total flat rate.—Where the cost of ingredients at Tariff prices, plus cost of container, exceeds 50 per cent. of the flat rate, with any additions due to dosage or quantity, the script would be priced out on Tariff prices with a dispensing fee of 1s. 3d. for each prescription on the form except for appliances, for which the fee (where no fitting is required) would be 6d.

(*d*) Special Preparations (*Penicillin preparations, sterile injections, ampoules, bougies, etc.*).—Chemist to be paid cost of materials at Tariff rates plus special fees.

Prescription forms including more than one prescription fall within flat rates if cost of ingredient and container does not exceed 50 per cent. of appropriate flat rate for multiple prescription. In no circumstances does the flat rate apply unless the whole form falls within the 50 per cent. limit. The additional fees for dosage and quantity are added to the appropriate flat rate before deciding whether a script exceeds the 50 per cent. limit. The reduction in the flat rate for multiple prescriptions is based on the figures in possession of the N.P.U. as to the incidence of different classes of medicaments. The second and third prescriptions on one form are usually of a subsidiary type whereas the first is usually a mixture or lotion requiring more dispensing. Although the scale stops at six prescriptions on one form, it would apply proportionately to forms having seven or more.

Each branch or Pharmaceutical Committee secretary is being asked to call a meeting of the branch or committee to consider the memoranda and instruct delegates how to vote at the conferences. It is expected that further discussions due to take place will result in concrete proposals, which will be issued to delegates and secretaries before the conference if there is time.

FIFTY YEARS AGO

The Society and its Friends

(*From the C. & D., May* 21, 1898)

The President of the Pharmaceutical Society has reason to congratulate himself and his colleagues of the Council on the success of his annual demonstration. The dinner of the "Society and its friends" on Tuesday was an exceptionally interesting event, especially as regards the friends. These included leaders in the scientific and medical worlds, and several gentlemen who, if not leaders, are respectable representatives of both sides of the House of Commons. It is gratifying to have such eminent friends, and they may at some time be useful; but their stirring speeches were delivered to an audience which included only a sprinkling of pharmacists actually practising as such, those outside the official ring not numbering much more than 1 per cent. of the Society, which itself, as we have been so often told, only represents about a third of the trade. . . . The member for the Strand spoke unhopefully of the chances this session of the Bill he had undertaken to pilot. . . . Dr. Farquharson . . . suggested that the Society should give a banquet to . . . adversaries of the Bill.

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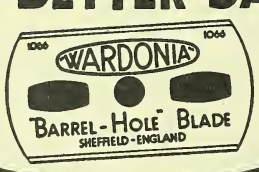

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C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., D. Opt. F.C.O., M.P.S.
50 HIGH STREET, BARNET, LONDON, N.

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

Ilon salve
Cornucrescine
Nurotonin ampoules
Miswack tooth-brushes
Murphone D.D.T. fumigator
Dodca hot water bottle

The CHEMIST AND DRUGGIST
for RETAILER—WHOLESALER—MANUFACTURER
ESTABLISHED 1859
Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries
Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CXLIX MAY 22, 1948 No. 3561

Tenancy and Goodwill

To succeed in a claim for compensation for goodwill, or a claim for a new lease, a trader must prove that the trade has been carried on at the premises "for a period of at least five years" by himself or his "predecessors in title." The requirements raise points that tenant traders should study.

First, who is a "predecessor in title"? A purchaser takes over a business in one of two ways. By one method he buys from the seller, whose lease may be coming to an end, the goodwill alone. This method leaves the seller to obtain a lease of the premises direct from the landlord — a method to be avoided, for the seller would not, in those circumstances, be regarded as a "predecessor in title" for the purposes of the Landlord and Tenant Act, 1927. Any goodwill the seller had created would be left out of account in determining the amount of compensation to which the purchaser might be entitled at the termination of his own tenancy. Moreover, if, in such case, the purchaser himself has not traded on the premises for a period of five years, the "five-year" requirement will not have been fulfilled, and he will be deprived of all rights granted to five-year tenants under the Act.

If, on the other hand, the seller of the goodwill has a lease which he duly assigns to the purchaser, the purchaser immediately becomes the direct tenant of the seller's landlord and the seller, at the same time, the purchaser's "predecessor in title." The purchaser is thus able to tack on to his own period of trading the period during which the seller was trading at the premises, and to augment his own goodwill by that created by the seller.

What if the purchaser of the goodwill, instead of taking an assignment of the lease, takes an underlease from the seller and becomes his subtenant? Such a course has a number of disadvantages. The purchaser is, in the circumstances, only able to make claims, whether for compensation or for a new lease, against the seller of the goodwill: his landlord. He cannot, in fact, make any claim whatsoever unless he carries on his trade for at least five years from the grant of the sublease.

A further question arises whether the current lease on a tenancy agreement that is about to expire when the tenant makes his claim must have been for a period of at least five years. For example, if a tenant takes a lease for one year only, is granted, at the end of the year, a further lease, also for one year, and the process is continued throughout the whole period of trading, the term of the tenancy has not been continuous. Can the tenant make a claim in such a case? He may have been continuously trading on the premises for a period of five years or longer, but his tenancy has been and is on an agreement for less than five years. To avoid any difficulty a tenant trader should agree to no tenancy—whether it is an original tenancy or a renewal—for a period of less than five years. A landlord may, of course, when granting a renewal, expressly provide in the new lease that it is in discharge of all rights to compensation.

Cosmetics and Health

COMING from a lecturer in dermatology at a medical school, a statement that cosmetic dermatitis is rare (see p. 677) will be reassuring to manufacturers and to pharmacists who make cosmetics and advise upon their use. While ingredients of some cosmetic preparations, notably dyes and perfumes, may cause dermatitis, either by irritation or by rendering the skin photosensitive, other preparations are almost entirely beneficial, and may even "have a place in treatment." Cold creams and creams containing cholesterol, for example, are valuable in dry and age-

ing skins, while the incorporation in creams of sun-screening materials yields preparations that are protective to patients who are particularly sensitive to sunlight, or who are suffering from lupus erythematosus. Moreover, possible beneficial effects on personal health from using cosmetics (as reflected, perhaps, in the increased use of cosmetics in hospitals and prisons) should not, we suggest, be overlooked. From the table shown, it will be seen that the preparations that most often cause trouble are nail polishes and perfumes, a possible unsuspected source of irritation (common to nail polishes and lipsticks) being light-sensitisation caused by certain of the constituent dyes. Sensitivity to certain dyes used for the hair is found in a small proportion of the community, and to guard against dermatitis from this source the routine carrying out of a patch test before the first dyeing (a routine insisted on in certain American cities), and the incorporation on the label of a statement pointing out the necessity to do the tests, are recommended. The author's reference to contra-indication of soap in certain skin conditions suggests that further work might profitably be directed to the use of surface-active compounds as detergents in those conditions.

Selenium Insecticide Dangers

A WARNING against the use of sodium selenate as an insecticide has been given by Dr. H. Martin, a research worker at Bristol University, who points out that the compound may cause hair to fall out, nails to drop off, and even sterility, in those handling it. Tests at the University's Long Ashton research station showed that weevils in wheat that had been treated with selenium compounds survived but became sterile, while a hen taking food from soil containing selenium laid eggs that would not hatch.

INSURANCE ACT DISPENSING

Pricing Bureaux Combined.—The Salford Pricing Bureau has been transferred to Manchester, and combined with the Manchester Pricing Bureau.

North-east Midlands.—The annual report for 1946 of the North-east Midland Prescription Bureau includes the statistics shown in the accompanying table. During the year 17,466 (0.33 per cent. of the prescriptions priced) prescriptions were referred back to chemists for further information. The average cost per insured person and the average cost per prescription both created new high records.

Area	No. of forms	Average prescriptions per form	Total prescription cost	Average cost per prescription		Frequency per insured person	Average total cost per insured person
				Ingredients	Fees		
			£	d.	d.		d.
Barnsley	115831	1.31	8865	7.9	6.2	4.55	63.9
Derby	181737	1.45	14708	7.3	6.1	4.17	55.9
Derbyshire	733842	1.39	58268	7.6	6.1	4.26	58.4
Grimsby	83147	1.36	6519	7.7	6.2	3.36	46.6
Halifax	141356	1.29	11273	8.5	6.3	3.68	54.6
Huddersfield	220929	1.44	20316	9.0	6.3	5.10	78.0
Lincoln	47938	1.36	4035	8.5	6.4	3.03	45.1
Lindsey	206904	1.39	19536	10.0	6.3	4.00	65.1
Nottingham	412181	1.56	40579	9.0	6.1	4.77	72.1
Nottinghamshire	548696	1.43	45896	7.9	6.1	4.10	57.6
Rotherham	113338	1.51	9957	7.8	6.1	4.82	67.3
Sheffield	840181	1.43	63475	6.6	6.1	4.83	61.4
Totals	3646080	1.43	303427	7.8	6.2	4.39	61.4

Manchester.—According to a report submitted to a meeting of the Manchester Insurance Committee, the total number of prescriptions dispensed in Manchester in 1947 was 1,966,115 (an increase of 28,079). The average number per insured person was 5.126 (0.113 less than in 1946). The average ingredient cost was 12.705d. (an increase of 4.707d.), and the average dispensing fees 6.142d. (against 6.068d. in 1946). The average cost per prescription was 18.847d. (an increase of 4.781d.). The value of 1,966,023 prescriptions dispensed by chemists was £154,392, and ninety-two N.H.I. prescriptions dispensed by doctors were valued at £33. The report stated that many expensive drugs and preparations were prescribed in increasingly large quantities; individual patients might receive prescriptions costing from 6s. to £8-9.

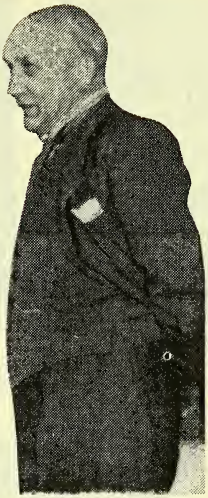
A FAMILY OCCASION

Thomas Morson & Son, Ltd., celebrate notable events of 1848 and 1948

AT midday on April 23, a notice was posted on the gates of the Ponders End premises of Thomas Morson & Son, Ltd. It bore the legend "Works Closed Until Monday." The company was celebrating a double event: the centenary of the first occasion on which its founder, Mr. Thomas Newborn Robert Morson, served as president of the Pharmaceutical Society of Great Britain; and the completion by thirty-two employees of terms of service ranging from twenty-five to forty-seven years. The two events were closely connected, for the tradition of friendly relationships between directors and employees, always a characteristic of the company, was largely based on the personality of Mr. T. N. R. Morson.

Mr. L. J. Morson

T. N. R. Morson, born at Stratford-le-Bow, London, in 1800, was apprenticed at the age of fourteen to a retired army surgeon who kept a retail shop in Fleet Market. Chemistry rather than surgery appealed to young Morson and he attended a course of lectures at Guy's Hospital, where one of his lecturers was William Allen (later the first president of the Pharmaceutical Society). In 1818 Morson went to Paris, working for two years in the pharmacy of L. A. Planche. During that period much research on the alkaloids was being carried out in France by such men as Pelletier and Caventou, and Morson followed their work with great interest. When he returned to London in 1821 to take over the business in Fleet Market he began, in addition to his retail trade, to manufacture the newly discovered alkaloids and fine chemicals, and was the first in England to make quinine sulphate and morphine salts. In 1825 he moved to more suitable premises in Southampton Row, and established at Hornsey the first plant in England for the large-scale production of medicinal creosote.



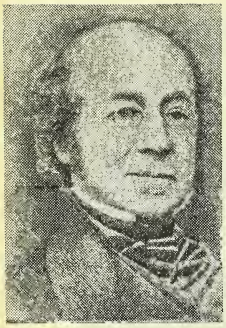
Mr. T. D. Morson

He continued to take an active interest in theoretical chemistry and was a founder member of the Chemical Society. He was present at the "tea-party" held in the Crown and Anchor Tavern, Fleet Street, on April 15, 1841, at which it was decided to establish the Pharmaceutical Society. He became the Society's vice-president in 1844 and its president in 1848. He was connected with the Council for twenty-eight years, and served further terms as vice-president and president. He retired in 1870 and died four years later.

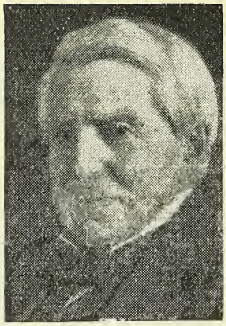
Rapid Expansion

For many years before his death he had been assisted in the rapidly expanding business of fine chemical manufacture by his son Thomas, born in 1825. Like his father, Thomas was intended for the medical profession but soon developed a preference for chemistry. He studied in England and in Paris, and in 1851 married the daughter of a French pharmacist. Meanwhile the business, the direction of which he eventually took over, continued to develop. Additional premises were taken in Southampton Row, and manufacturing laboratories established at Queen's Square, Hornsey Road, and Homerton. The retail pharmacy in Southampton Row was closed in 1900, but the wholesale department remained there until it was removed to Elm Street, Grays Inn Road, in 1904. From 1901 the manufacturing side of the business was being concentrated at Summerfield Works, Ponders End, Middlesex.

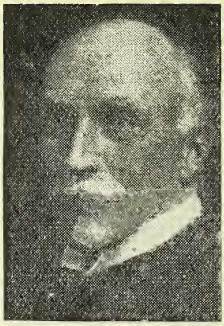
Some years before he died in 1908, Thomas Morson had handed over the con-



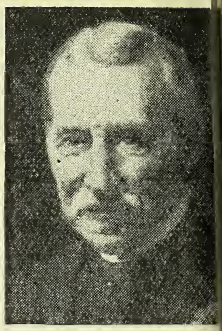
T. N. R. Morson
(Founder)



Thomas Morson
(Second generation)



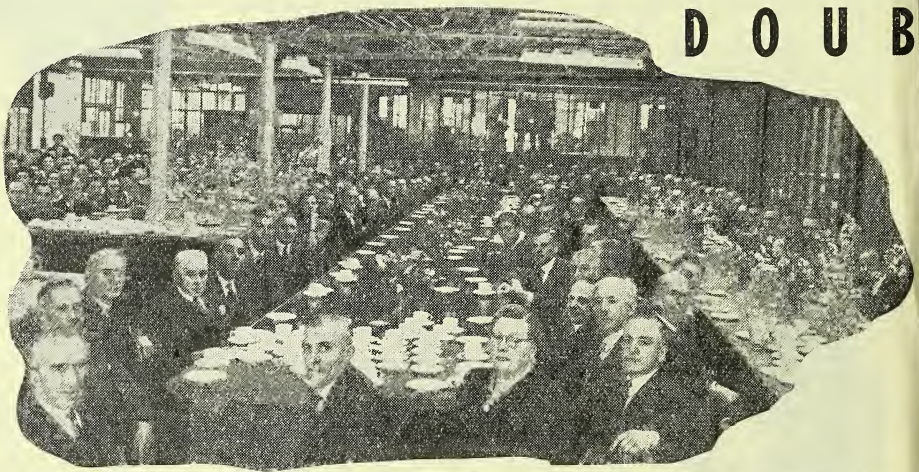
Thomas P. Morson
(Third generation)



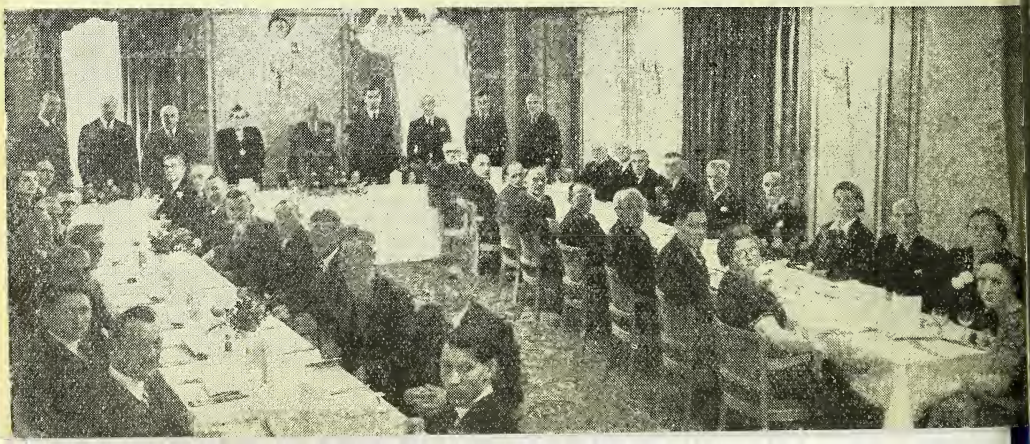
Albert R. Morson
(Third generation)

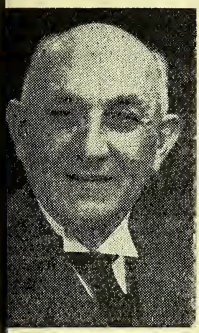
FIVE GENERATIONS OF THE FAMILY IN THE BUSIN

DOUBE

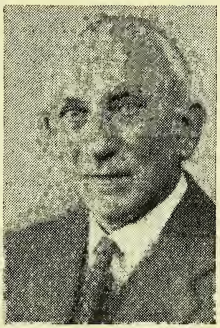


Above: Staff at tea at Ponders End after presentations to thirty-two veteran employees. Below: Dinner to celebrate centenary of Mr. T. N. R. Morson's first term of office as president of the Pharmaceutical Society. Guests of the directors include the president and secretary of the Society.

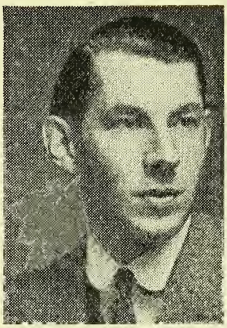




homas D. Morson
Fourth generation)



Leslie J. Morson
(Fourth generation)



Geoffrey T. Morson, M.C.
(Fifth generation)

Anthony F. Morson
(Fifth generation)

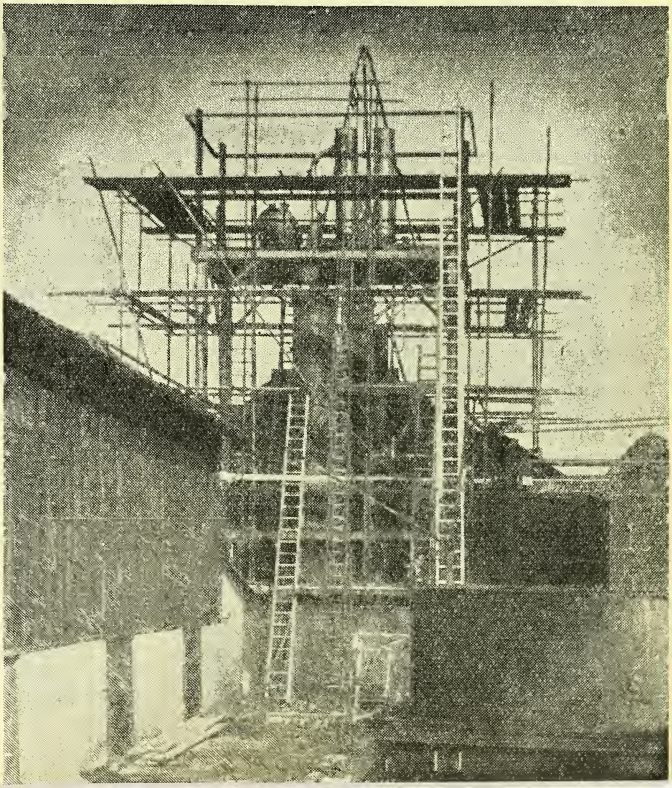
OF THOMAS MORSON & SON, LTD., PONDERS END

E CELEBRATION

ENTENARY OF FOUNDER'S FIRST PRESIDENCY
F THE PHARMACEUTICAL SOCIETY: LONG-SERVICE
WARDS TO THIRTY-TWO EMPLOYEES OF THE COMPANY

Mrs. T. D. Morson congratulates Mr. H. C. Gordon on forty-seven ears' service.

bove: A bouquet for Mrs. Morson. At right: Development continues: new construction at Ponders End.



trol of the business to his two sons, Thomas Pierre (born 1852) and Albert Robert (born 1855). Thomas Pierre, after studying in London and at Mannheim, served an apprenticeship with Ferris & Co., Bristol, and passed the Pharmaceutical Society's Minor examination in 1874. In 1879 he became a partner in the firm (as it then was) of T. Morson & Son. Albert Robert was apprenticed with Stoddard of Bristol, studied chemistry at the Royal School of Mines in South Kensington, and became a partner in the firm in 1883.

Fourth Generation

Thomas Pierre Morson, who died in 1920, had three sons, all still living, and two of them active in the business. The eldest, Mr. Thomas Dogomet Morson, F.C.S. (the present chairman of the company), was born in 1880. He studied at Haileybury and, under Sir William Ramsay, at University College, London. His researches at the Central Technical College, South Kensington, and plans for studying at a German university, were abandoned in 1901 when he had to superintend the firm's removal from Homerton to the Ponders End works, which he helped to design and equip. The second son of Thomas Pierre, Mr. Albert Clifford Morson, unlike his grandfather, father and brothers, preferred medicine to chemistry, and is still engaged in medical practice in London. Mr. Leslie Jules Morson, the third son of Thomas Pierre, is the present managing director of the company. He went to Ponders End in 1905, taking a special interest in analytical and research work. In 1909 he transferred to the head office and took over responsibility for much of the commercial and export side of the business.

The 1914-18 war saw a great increase of activity at Ponders End. The factory area was about trebled and many new chemicals were added to the list of products. In 1915 the business was converted to a private company, T. Morson & Son, Ltd., and in 1916 the Elm Street premises were closed. At the same time the offices were transferred to their present address in Grays Inn Road, and the warehouse to Ponders End.

The business has continued to develop, the range of fine chemicals and analytical reagents to extend. The company has made and continues to make a valuable contribution to the nation's export drive. It has remained essentially a family concern, and a fifth generation of the Morson family, represented by Mr. Geoffrey T. Morson, M.C. (son of Mr. L. J. Morson) and Mr. Anthony F. P. Morson (son of Dr. A. C. Morson), is now active in the business.

Never has it been allowed, however, to grow to a stage where personal contact between directors and staff becomes impossible. The employees have always been noted for their long and devoted service, and this has been acknowledged from time to time during the company's history by ceremonies at which the directors have made presentations to those with outstanding periods of service. The most recent occasion was on April 23, when the following thirty-two employees, with periods of service ranging from twenty-five to forty-seven years, were honoured:—

Harry C. Gordon	47 years
Frances J. Fair	46 years
George Cox	44 years
Harold J. Olding	42 years
John E. Burge...	41 years
George Smith, M.M.	41 years
George A. E. May	39 years
Archibald F. Courtenay	38 years
Douglas W. Stewart...	35 years
Edwin Sinclair	35 years
William M. Ballantyne, M.P.S. ...	34 years
William H. Smith	34 years
Hilda M. Smith	33 years
Thomas R. Smith	33 years
Albert S. Palmar	31 years
Herbert G. H. Wilkinson	30 years
Walter A. Collier	30 years
Ernest G. Kingaby	29 years
William T. Roper	29 years
Herbert A. Watson	29 years
Frederick Dowler	28 years
Ernest A. Pegg	28 years
Ernest Perkiss	28 years
Sidney G. Seymour	28 years
Albert W. Clark	27 years
Frederick J. Hemmings	27 years
William Ludbroke	27 years
Christina M. Negus	26 years
James W. Armstrong	25 years
Arthur F. Fleckney	25 years
Grace Webb	25 years
Walter Webster	25 years

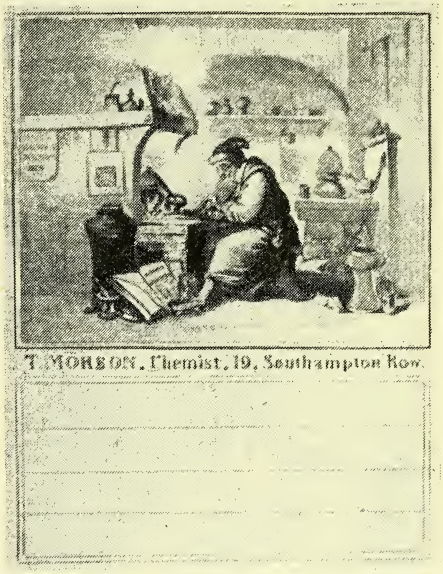
For the occasion the warehouse at Ponders End had been cleared of its great piles of cases, packed ready for export, and had been gaily decorated with flowers and flags. The whole staff of the company was present. On the platform were Mr. and Mrs. T. D. Morson and Mr. L. J. Morson. Mr. T. D. Morson said that in 1939 there had been a similar ceremony when five employees had each completed fifty years' service. The thirty-two employees who were being honoured today had between them completed more than 1,000 years' service with the company. Mr.

Geoffrey Morson called the name of each of the thirty-two in turn. Each then stood to hear a brief but humorous biography given by Mr. T. D. Morson, before being called up to shake hands with the platform party and to receive a gift from Mrs. Morson. The thanks of the thirty-two were expressed by Messrs. F. J. Fair and J. E. Burge. Mr. Graham Adams (Manchester representative) spoke on behalf of the "newcomers," and Mr. H. Woodyard (production manager) spoke of two of the company's workers (Messrs. T. D. and L. J. Morson) with between them a record of eighty-eight years' service, who had not been mentioned during the afternoon's proceedings. He asked Mrs. Morson to present Mr. T. D. with inscribed gold cuff links and Mr. L. J. with a dispatch case, subscribed for by the staff. After the brothers had replied, the ceremony was concluded with cheers for the company.

Commemoration Dinner

A dinner in commemoration of Mr. T. N. R. Morson's presidency of the Pharmaceutical Society in 1848, and attended by the long-service employees, was held in London in the evening. Mr. Thomas D. Morson (chairman of the company), who presided, was supported by Mr. Leslie J. Morson (a director), Dr. Clifford Morson and Mr. Geoffrey T. Morson. The guests included Mrs. J. K. Irvine, M.B.E. (president, Pharmaceutical Society of Great Britain) accompanied by Mr. Hugh N. Linstead, O.B.E., M.P. (registrar). A toast to the long-service employees was proposed by Mr. Leslie J. Morson. Responding, Mr. Harry C. Gordon (forty-seven years' service), said the "old-timers" were proud of their records and of the privilege of serving under the leadership of the Morson family. Mr. Harold J. Olding (forty-two years' service) said the roots of the company must have been well founded for it to flourish for over 130 years.

Mr. Thomas D. Morson, proposing "The Guests," paid tribute to the memory of the founder of the business, whose ability and enterprise was their proud heritage. One hundred years ago he had held the office of president of the Pharmaceutical Society. It was fitting that the commemoration dinner should be attended by the present holder of that office (Mrs. J. K. Irvine) and by the present registrar of the Society (Mr. Hugh N. Linstead). Mr. Morson said he did not know what his grandfather would have thought of the office of president being held by a woman, but he had always admired technical efficiency, a quality which Mrs. Irvine had displayed in the conduct of her duties. Mrs. Irvine said there was a portrait of the late Mr. T. N. R. Morson in the Council Chamber of the Society. She liked to think he would not altogether have disapproved of her wearing his badge of office. The company's traditional family relationship between management and staff, handed down from generation to generation, was very precious. Welcoming the registrar, Mr. T. D. Morson said that, besides his professional activities, Mr. Linstead found time to do valuable work in Parliament for pharmacy. Mr. Morson then announced that Mr. Anthony Morson, the son of Dr. Clifford Morson, would be joining the company on May 1. Mr. Linstead said the spirit of friendliness between everyone connected with the business was the key to the company's success during the past 130 years. It would be a bad day for the country if the family spirit and tradition in trade and industry disappeared.



A dispensing label, based on an old oil painting, designed for Mr. T. N. R. Morson. The engraving was used for a time as a trade mark.

As a fitting footnote to this "family occasion" comes the news (see p. 660) that a great great great grandson of the founder of the company was born at Loughton, Essex, on May 18, 1948.

CHARACTER OF THE B.P. REVISIONS

EACH successive British Pharmacopœia reflects the trend of therapeutic practice, and the changes in the 1948 B.P. testify to the accelerated acceptance of new and rejection of old medicaments. The changeover is typified by the number of injections (75) and tablets (64) now official, of which only three were included in the 1932 B.P.

Parenteral Medicaments

There has been a complete reversal of policy in regard to injections. The group of "Hypodermic Injections" in the B.P. 1914 was omitted in 1932 because "it is considered preferable that the medical practitioner should prescribe the dose of active material as such, rather than the dose of an official hypodermic injection." The necessity for revising the methods of sterilising materials for parenteral injections resulted in a spate of modifications by Addenda (especially Addendum IV) and a degree of uncertainty about thermolabile drugs which is rectified in the specific instructions now given. Tyndallisation is discontinued. Autoclaving is preferred whenever possible, and filtration, where it is an alternative, is subject to sterility tests. Heating with a bactericide is permissible for certain thermolabile drugs, but others, unstable in aqueous solution, must be supplied in sealed containers and dissolved in sterile liquid immediately before use. In addition to standards and tolerances, monographs on individual injections provide assays for any strength within the range of dosage, and specify the dose to be supplied when the injection is ordered by name only.

A single official tablet in 1932 (nitroglycerin) became one of thirty-five in the Seventh Addendum, which further recognised the necessity for precise standards for new chemicals and old drugs. The tablets now total sixty-four, and the four Addendum VII additions (carbromal, erythrityl tetranitrate, hexamine and sulphapyridine) are already dropped. The disintegration tests and other details (standards, assay, strength to be supplied, etc.) are applied to the new additions. Detailed formulas showing definite doses are given for tablets containing more than one active ingredient. Dover's powder tablets with lactose as a diluent are a newcomer to officialdom; the tablets with potassium sulphate allowable by Addendum VII are again cancelled—an example of the difficulty of coping with reversions affecting both prescribing and dispensing.

Alterations in drugs and galenicals are on lines made familiar in previous Pharmacopœias. The mere fact that a drug is frequently prescribed is not considered a justification for its retention, and buchu, cassia, cinchona, jalap, linum and lobelia are among those losing official status. On the other hand, the tightening of standards for the vegetable drugs retained is exemplified in specifications of microscopical characters in much greater detail and by the inclusion of diagnostic features for powders. Stricter standards include specified essential oil content for drugs whose aroma is important. Cardamom seeds, separated from the fruit, are excluded as lacking in aromatic properties.

Aroma and appearance are the criteria for changes in aromatic waters and fresh infusions. "Aquæ Aromanticæ" made by solution, trituration or dilution are equivalent officially, and the 1932 distillation process is deleted. The principle of preparing infusions from concentrated preparations receives full recognition, and the deletion of "inf. gent. co. recens" eliminates an exasperating source of variability, however much the sacrifice of aromatic value may be regretted. Such changes make for uniformity and expedience in dispensed medicines.

Alkaloidal tinctures are made, wherever possible, by dilution of a liquid extract, though the war-time concentrations have been discontinued—an abandonment of austerity in B.P. standards.

Ointment Policy

Ointments remain in the melting pot. The principal intention is that "a sufficient range of bases shall be available, to which the practitioner will add the requisite drug in prescribing ointments." It is to be hoped that the 1948 B.P. ushers in a period of stability in the composition and nomenclature of official ointments, in contrast to the numerous and inconsistent changes in the successive Addenda. Tannic acid ointment, which has suffered most in this respect, is, curiously enough, deleted. Zinc ointment returns to the simplicity of its 1932 formula and designation, after the complications of aqueous and anhydrous varieties in the Sixth Addendum. There are two entirely new ointments, both of the "emulsifying" type. A noteworthy tolerance is given in the directions for the

making of ointment and wood alcohols. New substances include the sex hormones and analogues, vitamin-B complex and penicillin preparations. Biological standardisations of these and other B.P. preparations are in a state of flux. The introduction of pure vitamin B (aneurin) and vitamin C (ascorbic acid) has resulted in discarding methods of bio-assay for these substances. The methods of biological standardisation are not obligatory, but are expected to be used unless the alternative is "generally accepted as being at least equally good." Controls in the Pharmacopœia apply where chemical tests are impracticable and those applicable under the Therapeutic Substances Act, 1925, are included for parts of the Empire where no legal standards would otherwise exist. Protamine zinc insulin, injections of the separated principles of pituitary posterior lobe, several new vaccines, and antitoxins are substances to which these apply. Standards to be used in bio-assays are limited to those supplied by the National Institute for Medical Research. For penicillin the International unit is based upon the sodium salt of penicillin II (or G) pending "reliable and practical methods" being devised for the estimation of the different penicillins. There are no changes in the International Agreement on Potent Drugs, the objection to weighing liquids being re-stated.

B.P. CHANGES AT A GLANCE

(*Continued from* THE CHEMIST AND DRUGGIST, *May* 15, *p.* 639)

New monographs in **Black Type.** Retained monographs in CAPITALS. Omissions in [*Italics*] between square brackets. M.W.=Molecular weight (previous figure in parenthesis). Min.=Minims. gr.=grain. gm.=gram. M.P.=Melting point.

AQUÆ AROMATICÆ.—Preparation by distillation deleted. General processes of (a) Solution and (b) Dilution from Concentrated Waters remain the same (formerly processes (b) and (c)). The use of suitable potable water in place of distilled water (made permissible by Addendum IV) cancelled.

AQUA CAMPHORÆ.—Addendum IV permission to use potable water withdrawn.

AQUA CHLOROFORMI.—Addendum IV permission to use potable water withdrawn.

AQUA CINNAMOMI CONCENTRATA.—Use of potable water (Addendum IV) withdrawn. Note on dilution to Distilled Cinnamon water deleted.

[*Aqua Cinnamomi Destillata.*]

AQUA DISTILLATA.—Rearranged only.

AQUA MENTHÆ PIPERITÆ CONCENTRATA.—Use of potable water (Addendum IV) withdrawn. Note on dilution to Distilled Peppermint Water deleted.

[*Aqua Menthæ Piperitæ Destillata.*]

Argentoproteinum. — Monograph rearranged from Addendum I. "Argentum proteinicum forte" and "Strong protein silver" omitted from synonyms.

[*Arsenii Triiodidum.*—Deleted, as also Donovan's Solution.]

ARSENII TRIOXIDUM.—Monograph rearranged. M.W. 197.8 (197.7). Assay factor, 0.004945 (0.0049475).

[*Asafœtida.*—Deleted, as also Pilula Aloes et Asafœtida and Tinctura Asafœtida.]

ATROPINA.—Monograph rearranged with graphic formula. M.W. 298.4 (298.2). Solubility in solvent ether, 1 in about 60 at 20° (instead of "soluble in about 16 parts of ether"). Optical rotation of 10 per cent. w/v. solution in alcohol (90%), +1.4° to −1.4° (instead of +0.1 to −0.1° in alcohol (60%). Reference to limit of l-hyoscyamine omitted). Reaction: Alkalinity to "litmus" deleted. Doses omitted.

ATROPINÆ SULPHAS.—Monograph rearranged, and modifications of Addenda I, III and IV cancelled. M.W. 694.8 (694.5). Description: "Or a white crystalline powder" added. M.P., "after drying at 110 for four hours, 190° to 196°" (replaces the Addendum III "not below 188° when dried at 135° for exactly ten minutes"). Optical rotation: Not greater than +1.2° or − 1.2 (+0.1° or −0.1° in 1932 B.P., cancelled in Addendum I). Loss on drying at 110° for four hours, not more than 5 per cent. w/w (drying at 105° in 1932 B.P. altered to 136° by Addendum I). Paragraph on "Sterilisation of a Solution" (1932 B.P. altered by Addendum IV) omitted. Preparations include new additions, Injectio Atropinæ Sulphatis; Injectio Morphinæ et Atropinæ; and Tabellæ Atropinæ Sulphatis.

AURANTII CORTEX RECENS.—Rearranged monograph. In macroscopical characters "somewhat rough" is substituted for "pitted." Under microscopical details, "prismatic" is added to "numerous crystals of calcium oxalate."

AURANTII CORTEX SICCATUS.—Synonym (Aurantii Amari Cortex) omitted. Macroscopical description relates to "Strips or pieces" (in place of "thin narrow strips"). "Somewhat rough" replaces "rough, pitted." Microscopical features include "prismatic" calcium oxalate crystals. Volatile Oil: Not less than 2.5 per cent. v/w (new). Preparations added: Infusum Aurantii; Infusum Gentianæ Compositum; Infusum Gentianæ Compositum Concentratum; and Tinctura Gentianæ Composita.

BALSAMUM PERUVIANUM.—Monograph rearranged with synonym (Peruvian Balsam) omitted. Contains "not less than 50.0 per cent. and not more than 70.0 per cent. of balsamic esters" (instead of "not less than 53 per cent."). Weight per mil at 20° C., 1.140 to 1.170 gm. Test added for colophony: Shake the remainder of the solution (6 mils of 2 gm. balsam in 10 mils of light petroleum) with twice its volume of dilute solution of copper acetate; the light petroleum layer is not coloured green.

BALSAMUM TOLUTANUM. — Synonym changed to "Tolu Balsam" (from "Tolu"). Reference to content and assay of free balsamic acids omitted, but minimum (35.0 per cent.) and maximum (50.0 per cent.) of total balsamic acids remain the same. Tinctura Benzoini Composita added to preparations. Doses omitted.

BARBITONUM.—Formula given graphically. M.W. 184.2 (184.1). Test for "readily carbonisable substances" omitted. Test for neutral and basic substances changed: Dissolve 1 gm. in 2 mils solution of sodium hydroxide and 13 mils water. Shake the solution with 25 mils solvent ether for one minute, separate the ethereal layer and wash with three separate quantities, each of 5 mils of water. Evaporate the ether and dry at 100°; residue weighs not more than 1 mgm. Preparation: Tabellæ Barbitoni.

BARBITONUM SODIUM. — Title replaces "Barbitonum Solubile." Synonyms: Barbitonum Solubile: Soluble Barbitone: Barbital Sodium (instead of "Soluble Barbital," omitted). Graphic formula given. M.W. 206.2 (206.1). Limits of 98.0 to 101.0 per cent. of $C_8H_{11}O_3N_2Na$ (replaces not less than 97 per cent.). Identification tests amplified: B. Boil 0.2 gm. with 5 mils of solution of sodium hydroxide; ammonia is evolved. C. Dissolve about 0.25 gm. in 5 mils water, add 1 mil test solution of mercuric chloride; a white precipitate, soluble in dilute solution of ammonia, produced. D. Dissolve about 0.15 gm. in 5 mils water, and add 5 mils solution of silver nitrate; a white precipitate, soluble in dilute solution of ammonia, produced. F. Assay residue (barbitone), m.p., 189° to 192°. Lead limit, 10 parts per million (new). Insoluble substances (added): Dissolve 1 gm. in 10 mils freshly boiled and cooled water in a stoppered 10-mil tube; it dissolves rapidly and completely, giving a clear, colourless solution that shows no opalescence after one hour. Loss on drying at 100°, not more than 1.0 per cent. Paragraph on "Sterilisation of a Solution" (amended by Addendum IV) now deleted. Preparation: Tabellæ Barbitoni Sodii.

BARIUM SULPHATE. — In test for copper, lead, mercury and zinc, after "To the remainder of the filtrate from the acetic acid digestion," is changed to "add 20 mils of solution of hydrogen sulphide; the solution remains clear and any darkening is not greater than that produced by adding 20 mils of solution of hydrogen sulphide to a mixture of 15 mils acetic acid *PbT.*, 35 mils of water, and 2 mils dilute solution of lead *PbT.*"

BELLADONNA PRÆPARATA.—New title for "Belladonna Pulverata." Monograph of Addendum VII for Powdered Belladonna Herb rearranged with the following additions: "Belladonna Pulverata" included in synonyms. Description: Green, odour slight; taste, somewhat bitter and acrid. *Microscopical.* Exhibits the diagnostic structures described under "Belladonnæ Herbæ Pulvis." Under Storage "should" replaces "must." Metric doses are given in mgm. (30 to 200 mgm.).

BELLADONNA HERBA.—Monograph is that of Addendum VII (which replaces that for "Belladonna Folium" of the 1932 B.P. and Addendum V). Belladonna Herb consists of the leaves, or leaves and other aerial parts of *Atropa Belladonna,* Linn., or of *Atropa acuminata,* Royle ex Lindley, or a mixture of both species, collected when the plants are in flower, and dried. It contains not less than 0.3 per cent. of the alkaloids of Belladonna Herb, calculated as

hyoscyamine. Factor: 0.005787 (0.005784). "Protected from light" is added to "Belladonna Herb should be stored in a dry place." Extractum Belladonnæ Herbæ Liquidum deleted from "Preparations," the liquid extract of belladonna being again made from belladonna root.

Belladonnæ Herba Pulvis. — Submonograph includes diagnostic structures. Also to comply with other requirements under "Belladonnæ Herba." Contains the modified notice that "Belladonna Præparata shall be dispensed" when Belladonnæ Herba, Belladonnæ Folium, Pulvis Belladonnæ Herbæ or Pulvis Belladonnæ Folii is prescribed.

BELLADONNÆ RADIX.—Monograph of Addendum VII with slight variations in microscopical measurements. Limit (added) of not more than 2.0 per cent. for "Foreign organic matter." Emplastrum Belladonnæ omitted from "Preparations" (all plasters are deleted from the 1948 B.P.).

BENZOCAINA.—M.W. 165.2 (165.1). Reference to distinction from (now unofficial) amylocaine left out of identification test B. Doses omitted.

BENZOINUM.—Siam benzoin and second source Sumatra benzoin added. Benzoin is a balsamic resin, obtained from the incised stem of *Styrax Benzoin,* Dryand. and of *Styrax parallel-oneurus,* Brans, known in commerce as Sumatra Benzoin, or from the incised stem of *Styrax tonkinensis,* Craib, known in commerce as Siam benzoin. Content (30 to 60 per cent.) of total balsamic acids remains the same, but requirements as to free balsamic acids is omitted. Description of Siam benzoin: Tears; flattened, 0.3 to 1 to 2 to 5 cm. wide and 0.2 to 0.5 to 0.7 to 1 cm. thick, irregularly prismatic, fusiform or ovoid with triangular, rectangular, oval, rounded, or concave surfaces, opaque and brittle, externally milky white. Block; irregular pieces broken from larger masses, about 7 to 10 cm. in diameter, consisting of tears embedded in a brownish-red translucent matrix, the surface with a varnished appearance. "No odour of benzaldehyde" is produced from Siam Benzoin (added to former identification test on 0.5 gm. heated with 10 mils of solution of potassium permanganate; Sumatra benzoin producing a faint odour of benzaldehyde). Acid value: 105 to 163 (instead of 115 to 163) is determined on the alcohol soluble matter (Addendum I) from 5 gm. Alcohol-insoluble matter, not more than 24 per cent. (20 per cent.). Assay for total balsamic acids only. Preparations: Adeps Benzoinatus (Siam Benzoin). Tinctura Benzoini Composita (Sumatra Benzoin). Doses omitted.

Benzylis Benzoas.—Addendum IV monograph rearranged. M.W. 212.2 (212.1). Weight per mil, at 20°, 1.115 to 1.119. Doses omitted.

BETANAPHTHOL.—Monograph rearranged. Graphic formula added. Synonym (Naphthol) omitted.

BISMUTHI CARBONAS. — Monograph rearranged. Residue on ignition: 90 to 92 per cent. (Standard official by Addendum I). Storage: Bismuth carbonate should be protected from light (added).

Bismuthi et Sodii Tartras.—Addendum I monograph rearranged. Paragraph on "Sterilisation of a Solution" omitted (Addendum IV instruction added under injection). Storage: Bismuth Oxychloride should be protected from light (added). Preparation: Injectio Bismuthi et Sodii Tartratis.

Bismuthi Oxychloridum. — Addendum I monograph rearranged. Complies with test for sulphate described under "Bismuthi Carbonas" (added).

BISMUTHI SALICYLAS. — Monograph rearranged. "Bismuth Oxysalicylate" included as a synonym. "Microcrystalline" used in place of "amorphous" in describing the "white, or nearly white, microcrystalline powder." Salicylic acid test modified (solvent ether to be evaporated "at a temperature not exceeding 35°" and residue dried "in a desiccator over sulphuric acid"). Paragraph on "Sterilisation of a Suspension" deleted. Maximum dose, by intramuscular injection, increased to 3 grains (from 2 grains).

Bismuthi Subgallas. — Addendum IV monograph rearranged. Preparation: Suppositoria Bismuthi Subgallatis. Doses omitted.

BISMUTHUM PRÆCIPITATUM. — "Tests for Purity" included from Addendum I. At. Wt., Bi . . . 209.0 (added). Dose, by intramuscular injection, 1 to 3 grains (altered from 1½ to 3 grains).

BORAX.—Solubility: Temperature of solution specified, 15.5° (added). "Mel Boracis" deleted from "Preparations," on removal from 1948 B.P.

PHARMACEUTICAL SOCIETY OF IRELAND

May Meeting of Council

At a meeting of the Council of the Pharmaceutical Society of Ireland held on May 11, Mr. P. A. Brady (president) was in the chair. Also present were Messrs. T. C. Scott (vice-president), J. Gleeson (treasurer), C. J. Cremen, G. C. O'Neill, B. Sullivan, P. F. McGrath, P. Fullam, R. Daly, N. A. P. McKane, Senator F. Loughman, J. P. Kissane, J. K. Whelehan, P. Brooke-Kelly, M. Power, M. Costello, T. B. O'Sullivan and P. C. Cahill. An apology for absence was received from Mr. J. A. O'Rourke.

Correspondence

A letter was read from Mr. Lyall G. Smith (secretary, Eire Branch, Photographic Dealers' Association) thanking the president and members of the Council for the use of the Society's premises for the P.D.A. examinations held recently in Dublin, and for the assistance given. A letter was read from the Department of Justice dealing with publication in the official gazette of changes in statutory regulations.

The following preliminary registrations were reported by the registrar (Mr. James G. Coleman): Johanna Gertrude Costello, Brendan Gerard Dolan, Patrick Kevin Liffey, Francis Joseph Murray and Margaret Mary Tobin. The following changes of address were notified: Mr. J. J. Brooks, L.P.S.I., to Fernside, 135 Templeogue Road, Terenure, Dublin; Mr. M. Tyrrell, L.P.S.I., to c/o Nolan's Medical Hall, Portlaw, Waterford; and Mrs. Gertrude Margaret Ryan (née O'Dea), L.P.S.I., to 68 Whitworth Road, Glasnevin, Dublin. The reports of the House, Law, and Schools Committees were submitted and approved.

Examination Results

The examiners, reporting on the recent examinations, stated that seventy-four candidates (forty - five men, twenty - nine women) had entered for the Licence examination. Eleven of the men had passed, one with honours, and twelve of the women had passed, two with honours. Of all candidates, twenty-three had passed out of seventy-four (31 per cent.) "Many of the candidates," the examiners commented, "were obviously not ready for examination." In the Assistants' examination, of thirty-two women candidates, fifteen had passed, and of nineteen men, ten had passed.

Membership Changes

The Registrar reported upon the deaths of Messrs. Hugh Weir, M.P.S.I., Thomas Bartholomew Hopkins, M.P.S.I., and William Smyth, L.P.S.I. The Licence certificates of the following were signed and sealed: Patrick G. Coffey, Mary K. Cullen, Mary B. Hogan, Thomas G. Griffin, John P. McCaul, Michael Tyrrell, Leo J. Manley and Muredach G. Reilly. The following were elected members of the Society: Miss Mary A. Lynch, Miss Clare Anne Rooney, and John M. O'Connor. Nominations for membership were passed for Messrs. Gerald O'Connor, Dublin; John P. McCaul, Castleblaney, co. Monaghan; Michael Tyrrell, Portlaw, co. Waterford; Richard Stephen Kilagriff, Tuam, co. Galway; Miss Joan Walsh, Piltown, co. Kilkenny; and Mr. Jeremiah Joseph McMorrow, Cashelgarron, co. Sligo. Messrs Henry V. Golden, Dublin, and William O'Dwyer, Ennistymon, co. Clare, were nominated as associate druggists.

Supply of Veterinary Medicines

Mr. Whelehan asked if Mr. J. Flynn (past-president of the Veterinary Association of Ireland) had communicated with the Society about further meetings between the pharmaceutical and veterinary professions on the question of handling veterinary lines. Mr. Whelehan said he was much concerned over the matter which had been going on for a long time. If the joint committee did not come together again he intended to table a motion for the next meeting of the Council; the position of veterinary supplies to the chemist was unsatisfactory. Recently a manufacturer had refused to supply him with some veterinary tablets ordered on a prescription, although the prescription had been shown to the makers. Following the Society's talks with the veterinary profession he hoped the matter could be settled. The President said it was understood that the next meeting would be called by the veterinary profession. Mr. Kissane said it was "awful" that chemists were not permitted to dispense veterinary prescriptions.

Mr. McKane said West of Ireland Chemists' Association had been in communication with some of the manufacturers concerned and had rejected entirely the explanations offered for failing to supply chemists with veterinary lines that they should be handling. Individual chemists

in the West had threatened to take action on their own if the companies continued to discriminate against pharmacists. The ill will created by the policy was growing among chemists and would, he thought, damage the interests of the companies responsible if the policy continued. THE PRESIDENT pointed out that in the Society's talks with the veterinary representatives, individual companies had not been discussed. The discussions had centred round general policy. MR. WHELEHAN said that no move could be made without the co-operation of the Irish Drug Association. MR. MCKANE thought that it was little use taking the matter up further with the veterinary profession since the dispute was with certain companies whose attitude was detrimental to the pharmaceutical profession. It was decided to leave the matter of communicating with the veterinary representatives in the hands of the president.

Benevolent Fund Grants

In reply to Mr. McKane, THE PRESIDENT stated that no reply had yet been received from the Department of Health in connection with a suggested deputation on the Health Act. At a meeting of the Benevolent Fund Committee held following the Council meeting a number of grants from the Fund were approved for payment.

DERMATITIS FROM COSMETICS

IN an issue of the "Practitioner" devoted to diseases of the skin, Hodgson (lecturer in dermatology, Welsh National School of Medicine) (May, p. 373) states that cosmetic dermatitis is rare. When it has been diagnosed (and a warning is given that spectacles, hats, necklaces, etc., may be the irritant) removal of the cause leads to immediate improvement. The preparations most likely to give trouble are nail polish and perfumes (when contained in other preparations) but no suggestion is made that any ingredients at present generally used in cosmetics manufacture should be avoided. The possible risks of commonly used cosmetics, as indicated by the author of the article, are summarised in the table below:—

PRODUCT	RISK	PROBABLE CAUSE	REMARKS
HAIR DYE			
(a) Vegetable	Virtually none. Henna tints may act like "para" group (see below)		
(b) Mineral (e.g., silver nitrate)			Little used
(c) "Para" group (e.g. paraphenylene diamine; pyrogallol)	Contact dermatitis (about 4 per cent. of population estimated sensitive)		Patch test desirable; label should recommend such test before use
NAIL VARNISH	Dermatitis Photosensitisation	Plasticiser, perfume or dye (e.g., maroon, rhodamine B)	Dermatitis occurs on the face
CREAM	Blackheads and acne-like pimples	Soft and liquid paraffins	Emollient action of cold creams and "modern" creams "can only be for good." Addition of vitamins and sex hormones discouraged
PERFUME	Dermatitis and pigmentation (when incorporated in other cosmetic preparations)		Seldom produce irritation when used alone.
DEODORANT	Seborrhœic dermatitis of the axillæ	Aluminium salts, zinc peroxide, and formaldehyde (from hexamine)	Well-established proprietary deodorants may safely be prescribed for axillary hyperhidrosis
LIPSTICK	Dermatitis Photosensitisation	Eosin group of dyes	Inclusion of sulphonamides condemned. Lipsticks may protect against winter chaps
EYELASH PAINT	Swelling of eyelids Blepharitis and styes	Dyes	Mascara from lampblack is innocuous

RUNNING A WHOLESALE BUSINESS

By Mercator

UNLESS a wholesaler can supply goods on demand, whether by his own delivery van, parcel post, passenger train or other method of transport, he may be said to be failing to provide the service expected of him. In these days of short supply it is often not possible to live up to expectations, and allowance must be made for goods in short supply. Nevertheless, that should be his aim.

Just what is involved in achieving an efficient service may not be generally known. The organisation of a proprietary medical department, for example, involves stocking an astonishingly large number of "ethical" preparations, many of them duplicated a dozen times over, by as many different manufacturers. Obviously some of the items have only an occasional demand and the distributor must exercise a good deal of judgment in taking them into stock. The small percentage of profit (usually 12½ per cent.) allowed to the wholesaler makes it essential for him to secure a quick turnover of at least 50 per cent. of his stock. An overall turnover at least three times a year is usually necessary to ensure a sound financial position for the wholesaler.

Stock Control

A satisfactory method of stock control is by a card index system, using cards 8 in. by 5 in., a separate card for each size and strength of every preparation. The cards are each divided into two identical halves, each ruled into four columns. In the first column is placed the date on which the goods were ordered with the quantity, in the second the order number, and in the third the date on which the goods were received with the actual quantity delivered. The fourth column may be used to enter the stock figure when stocktaking.

Provided the cards are kept absolutely up to date, all information may be seen at a glance. There is often a delay in delivery of the goods, and it is found useful to add appropriate remarks (such as "to follow") in pencil in the "goods received" column. The notes can then be erased when the goods arrive. It is also useful to note on the cards when preparations are unobtainable; the necessary information may be passed on to customers if the occasion arises. Possibly the most convenient method of filing the cards is alphabetically, under manufacturers' names rather than under the names of preparations. Whatever method is adopted the filing system should correspond to the actual arrangement of stock (i.e., if goods are arranged on the shelves under manufacturers' names the cards should be filed likewise). This not only simplifies stocktaking but makes it more convenient to compile the orders for the goods of each supplier.

Ordering

It is not economically sound to hold large stocks even of goods constantly in demand. Orders should be placed frequently with manufacturers, usually either fortnightly or monthly. Some exception to this rule must be made for goods that are available out of season but in short supply at the time they are actually required. Stocks of such goods must be built up ahead of the time when they will be needed.

Actual stock figures are ascertained by stocktaking before a general order is placed, so that an estimate can be made of the quantity of each item required. A number of factors influence that figure: Seasonal demand, time lag in the delivery of goods, propaganda for any particular item, entry of competitors into a field, etc. Such factors influence the demand. Buying is, of course, a specialised job, demanding accurate knowledge of prevailing conditions.

Apart from routine general orders, it is often necessary to send off urgent orders for goods that have suddenly become greatly in demand for an unforeseen reason. Occasionally it becomes necessary to send a request to the manufacturer or agent to send goods direct to a customer In meeting such a request the manufacturer is making a concession and his readiness to help should not be abused. Good stockkeeping obviates too frequent recourse to the procedure. When it is not possible to supply urgent goods on demand, it is most important to inform the customer of any action taken. Nothing is more annoying to the retail chemist, who usually has a customer waiting, than not to know whether or not the order is to be executed. Printed postcards can be used for this purpose for all districts outside the local telephone area, and the time taken is well repaid by the goodwill that results.

Storage Arrangements

While the generality of stock is usually kept on open shelves or in open bins, special storage conditions are necessary for some goods. Cold storage, for example, is essential for sera, vaccines, and certain other biological products. Coloured penicillin and its preparations must be stored at a temperature below 15° C. Since moisture plays an important part in the deterioration of penicillin preparations, particularly lozenges and tablets, it is no less important that they should be kept in a relatively dry atmosphere. When large stocks of sera and vaccines are held, watch must be kept to ensure that they do not become out of date and useless. Most manufacturers will exchange goods returned within a month or two of the expiry date. A chart, on which individual products are entered against each manufacturer, and on which the expiry date is clearly indicated, will be found most useful. It can then be seen at a glance which products are due for return without the laborious process of examining actual stocks.

Dangerous Drugs must be stored in a separate room under lock and key. The regulations that apply to wholesale transactions are:—

1. Individual licences must be obtained from the Home Office for each drug handled. The licences are renewable each year (fee £2 each).
2. A record must be kept of every transaction. Special registers may be obtained for the purpose; they can be made to suit the individual requirements of the wholesaler.
3. Quarterly returns must be made to the Home Office on forms supplied for the purpose, indicating purchases, sales and stock for the period. Annual returns are also required, giving a more detailed record.
4. Drugs must only be handed out, by the person who is held responsible by the Home Office, to the person who packs them for dispatch. They must be packed separately and, when sent through the post, must be registered.

Entries in Register

For all Dangerous Drugs delivered by the firm's own delivery van a signature is obtained. If the goods are sent by registered post, the receipt slip from the Post Office is sufficient. Purchases must, of course, be entered direct into the D.D. register within twenty-four hours of receipt, but sales may conveniently be recorded in a day book as they are made and transferred at the end of the day into the D.D. register. In addition to the record of the name and address of person supplied, name and quantity of the drug and date of transaction, it is useful to record also in the day book the method of dispatch, number of receipt slip and name of signatory. With these details to hand, a ready check can be made at any time. It is also most useful to keep, for all Dangerous Drugs, stock cards similar to those already described for general stocks. In addition to the particulars mentioned for other goods, the actual stock figure should be kept accurately by deducting the quantity of each purchase and sale as it is made. By this means an instantaneous check on stock can, if desired, be made at any time.

Technical Information Service

When well conducted, a technical information service is of great benefit to the individual chemist. The extent of the service must depend on demand, on the amount of time and money available for building up the necessary filing system, and on the supply of first-hand information. In its most ambitious form the service can aim to supply complete information to all inquirers. A more easily realisable service is the provision of information about new products, prices and sources of supply. Accumulating the information demands scanning technical and medical journals, press cuttings, official publications, manufacturers' literature, etc. An adequate filing system is essential. Manufacturers are usually pleased to supply copies of publications dealing with their own products, and these may be kept filed for reference.

While chemists are usually satisfied to be given the name of the manufacturer, the price and the pack, doctors may require the fullest medical information. A wholesaler who can produce on demand the necessary information for his retail customer provides a service that his customer (and for that matter the doctor) does not fail to remember.

Vitamin B_{12}— The compound isolated from liver by Rickes and others (see *C. & D.*, May 8, p. 598) is active in doses of 3-6 microgm. The Greek letter μ was inadvertently omitted from before gm. in the paragraph referred to.

CORRESPONDENCE

The Hard Way

SIR,—In reply to recent letters by "R. Deering" and "Student Associate," I would suggest to both that, even at this late hour, they should "get down" to the job of qualifying and so gain the recognition they both desire. I have no doubt they could both do it. I know of one middle-aged dispenser who has, after a lapse of many years, taken to his studies again and appears to be making good progress—I wish him well. It is not hard to appreciate the frame of mind of both your correspondents, but I would suggest that unless they are prepared to sacrifice time, energy and expense, they cannot, in fairness to others who have qualified the hard way, expect to be recognised by the Pharmaceutical Society.

Yours faithfully,
"SHEFFIELD PHARMACIST."

Guild Council Meeting

SIR,—My report on the last Council meeting of the Guild of Public Pharmacists which you so kindly published (*C. & D.*, May 8, 603), included two typist's errors, and I should be grateful if they could be corrected. "Public Services Committee" should have read "Professional Staffs Committee," and Mr. Henriksen should have been referred to as a pharmaceutical (not a Guild) representative on the Central Health Services Council. Mr. T. D. Whittet has been nominated to serve on the Pharmaceutical Standing Advisory Committee, but, at the time of writing, his nomination has not been officially accepted.

Yours faithfully,
London, S.W.5. EDWIN W. BARSTOW, *Deputy Secretary,* Guild of Public Pharmacists.

Reciprocity of Qualification

SIR,—On several occasions I have seen broached in the *C. & D.* the subject of reciprocity arrangements for foreign pharmacists. Mr. Linstead, at the sixth annual conference of the British Pharmaceutical Students' Association, also raised the matter. The subject is full of dangers. In most cases reciprocity could only benefit foreign pharmacists (I am not now discussing the value of the diplomas, for I admit that Continental diplomas are of a higher grade than the present British one). In some countries one has to have the nationality and in others pharmacy is so hedged in with laws and regulations that it would be practically impossible for an Englishman to set up in business. A typical example is France, where pharmacy is now organised (under legislation inherited from Vichy) into a Corporation (Ordre des Pharmaciens). The number of pharmacies is limited, and the only place in which a young pharmacist can hope to set up in business is in some village where he is likely to make only a bare living. If he be very rich he may be able to buy, at an astronomical figure, an established business—for, since the introduction of the legislation eliminating any future competition, prices of pharmacies have soared. Young pharmacists are, of course, against their being deprived of the use of their diploma, but can do nothing about it, as the Corporation is organised and run by those in business—and solely in their own interest. Pharmacists who are not in business are not on the Corporation's list, and have no vote. What possible benefit, then, could a British subject derive from reciprocity? It would be a very one-sided bargain.

Yours faithfully,
INTERNATIONAL.

Pharmaceutical Committee Candidate

SIR,—The forthcoming election of members of the Pharmaceutical Committee for the Middlesex Area under the National Health Service is an important event. Those elected should be men of wide experience, capable of dealing with the many problems that will arise in connection with the service. So far as possible a system of territorial representation is the best method of forming the Committee. The committee of the Harrow Branch of the National Pharmaceutical Union have asked Mr. Rowson, Pinner Road, Harrow (present chairman of the Pharmaceutical Committee) to stand as a candidate. They wish to bring this to the notice of all contractors in the Middlesex Area. Mr. Rowson has served contractors well in the past, and as chairman of the present committee, has guided it through difficult times with distinction. Members of the Committee, therefore ask all those eligible to vote to support Mr. Rowson.

Yours faithfully,
T. W. MOORE, *Secretary,*
Harrow. Harrow Branch, N.P.U.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, May 19

At the time of going to press, the markets are reopening after the Whitsun holidays on a fairly steady note. The principal feature of the Pharmaceutical and Fine Chemicals sections during the past week has been, however, the announcement of a reduction in one maker's selling price of Cream of Tartar of 28s. per cwt., with effect from May 13; the new rate for 1 cwt. quantities is 157s. Prices of Tartaric acid are unchanged. Other features have included a somewhat easier market for English-refined Camphor and small reductions in one maker's prices of Phosphorus (stick), Phosphoric acid and a number of Salts. Prices of Citrates have not yet been brought into line with the firmer position of Citric acid.

There have been no special developments in Botanical Drugs and the market has continued on a routine level with few changes in prices. Ginger is steady on the spot; supplies in Jamaica are reported to be plentiful, but demand has eased off and prices are from 60s. to 65s. per 100 lb. Rather lower quotations are made for Anatolian and Syrian Liquorice root and holders are hoping to move stocks as a result. Senega continues a dull market and holders are prepared to accept reasonable bids. In other markets Camphor is showing an easier tone; prices are said to be very much lower in China, with considerable quantities of Formosan material being offered. Menthol remains firm on the other side and shipment values are higher. Olibanum is easier on spot.

The markets for Essential Oils continue steady with only a small inquiry.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	May 19
*Alexandria ...	Piastres to £	97¼—97¾
Amsterdam ...	Florins to £	10.68—10.70
*Bombay	Pence to rupees	1-5 15/16—1-6 1/16
Brussels	Francs to £	176½—176¾
Copenhagen ...	Kroner to £	19.32—19.36
Dutch East Indies	Florins to £	10.68—10.70
Dutch West Indies	Florins to £	7.59—7.61
*Hong Kong ...	Pence to $	1-2 15/16—1-3 1/16
Lisbon	Escudos to £	99.80—100.20
Montreal	Dollars to £	4.02¾—4.03¼
New York ...	Dollars to £	4.02¾—4.03¼
Oslo	Kroner to £	19.98—20.02
Paris	Francs to £	863.4—864.6
Rio de Janeiro ...	Cruz to £	75.3948
*Singapore ...	Pence to $	2-4⅜—2-4 7/32
Stockholm ...	Kronor to £	14.47—14.50
Zurich	Francs to £	17.34—17.36

* Free market rates

U.S. Drug and Chemical Report

New York, May 14

The past week has brought several price adjustments in the Pharmaceutical and Fine Chemicals markets, including reductions in Riboflavin and increases in Nicotinic acid and Thymol. A $25 per kilo reduction in the cost of riboflavin is attributed to improved manufacturing facilities; the new price is £125 per kilo. Nicotinic acid schedules were advanced by one dollar to $7 per kilo. As a result of tight supply conditions, some thymol producers have announced a 25 cents per lb. increase for 25-lb. lots, bringing the new cost to $4.50 per lb. Most items in the fine chemical category are now reported to be in ample supply, notable exceptions being Caffeine, Phenazone, synthetic Ephedrine, Salicylic acid and certain Solvents. In other sections of the markets Cod-liver oil is reported to have been raised by five cents per gall. to $2.60-$2.70, because of the tight supply conditions at primary market points following heavy demand from European countries. Higher quotations from Brazil have resulted in a 15 cents advance in the price of Menthol, which is now from $8.25 to $8.40 per lb. on the inside, although the general feeling on the market is that the increase will only prove temporary, because the major consuming season has finished and there is only a very small demand at the present time. It is reported that another 4,000 flasks of Mercury have reached the U.S. from a Spanish port, bringing total receipts of foreign metal to about 15,000 flasks in the thirty days between April 6 and May 6 — the equivalent of about six months' total U.S. consumption.

Trade in Botanical Drugs has continued to be rather slow, with buyers limiting purchases to immediate requirements. Spanish Saffron was reported easier by $1-2 per lb., and new crop influences were stated to be responsible for a three cents decline in Psyllium husks to 72-75 cents per lb. According to some reports, some Ceylon shippers of Papain have advanced their prices up to 35 cents per lb., but no change has yet taken place on the U.S. market. It is also reported that the Brazilian President recently vetoed a Bill proposing a higher minimum price for Carnauba wax; world market prices are low as a result of competition from synthetic waxes.

The Essential Oils market continued its downward trend last week although the market for Aromatics was very firm. Buying in essential oils was again limited to immediate requirements and, as a result, turnover was small.

Pharmaceutical Chemicals

ACETOMENAPHTHONE.—Prices range from about 1s. 2d. to 2s. per gm., as to quantity.

AMPHETAMINE.—Prices for the BASE and SULPHATE are from 150s. to 160s. per lb. as to quantity. The dextrorotatory sulphate is 16s. per oz.

BENZYL BENZOATE. — B.P. quality is quoted from 4s. 6d. to 5s. per lb., according to quantity; perfumers' quality, 5s. to 5s. 6d. per lb.

BORAX.—Makers' current prices are: B.P. quality, granulated, £38 per ton; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain in 1-ton lots and upwards. Terms quoted do not apply to Northern Ireland.

CITRIC ACID, B.P.—Firm. Makers quote 1s. 5½d. to 1s. 7½d. per lb., discount 5 per cent., for 1-cwt. lots, delivered in the United Kingdom.

CODEINE.—Current prices per oz., in the home market, are: ALKALOID, ½ oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., 47s. 9d.; 3 oz., 47s.; 4 oz., 46s. 9d. HYDROCHLORIDE, ½ oz., 46s. 4d.; 1 oz., 44s.; 2 oz., 42s. 6d.; 3 oz., 41s. 9d.; 4 oz., 41s. 6d.; PHOSPHATE, ½ oz., 40s. 9d.; 1 oz., 38s. 3d.; 2 oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. HYDROBROMIDE and IODIDE as ALKALOID; SULPHATE as HYDROCHLORIDE.

CREOSOTE.—B.P. quality, ex beechwood, quoted at from 7s. per lb., upwards.

DIAMORPHINE. — Prices per oz. are: ALKALOID, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. HYDROCHLORIDE, ½ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d. per oz.

DIGITALIN, B.P.C.—Current quotations are from 9s. to 11s. 6d. per gm.

EPHEDRINE.—Quotations for the ALKALOID are at from 10s. 6d. to 13s. per oz., as to quantity and seller. HYDROCHLORIDE is quoted at from 7s. 9d. to 9s. and SULPHATE at 8s. to 9s. per oz.

GLYCERIN, B.P.—Current rates per cwt. are as follows:—

Contracts or spot lots of	Under 1 cwt.	1 cwt. and under 2½ cwts.	2½ cwts. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt. and under 20 cwt.
Minimum deliveries off contract of	—	1 cwt.	1 cwt.	1 cwt.	2 cwt.
Tins:	s. d.	s. d.	s. d.	s. d.	s. d.
14-lb. ..	156 6	152 0	151 0	148 0	147 0
28-lb. ..	153 6	149 6	148 6	145 6	144 6
56-lb. ..	150 6	147 0	146 0	143 0	142 0
Drums:					
1-cwt. ..	—	136 0	135 0	132 0	131 0
2½-cwt. ..	—	—	133 0	130 0	129 0
5-cwt. ..	—	—	—	129 6	128 6
10-cwt. ..	—	—	—	—	128 0

1 ton and under 5 tons (minimum deliveries off contract of 5 cwt.), 14-lb. tins, 143s.; 28-lb., 140s. 6d.; 56-lb., 138s.; 1-cwt. drums, 127s.; 2½-cwt., 125s.; 5-cwt., 124s. 6d.; 10-cwt., 124s. 5 ton and upwards (minimum deliveries off contract of 10-cwt.), 14-lb. tins, 141s. 6d.; 28-lb., 139s.; 56-lb., 136s. 6d.; 1-cwt. drums, 125s. 6d.; 2½-cwt., 123s. 6d.; 5-cwt., 123s.; 10-cwt., 122s. 6d. Extra charges are levied for smaller deliveries, ex contract, from 6d. to 2s. per cwt., according to quantity. Refined pale straw industrial glycerin is 5s. per cwt. less than chemically pure. Terms: Carriage and delivery paid. A discount of 2½ per cent. is deducted if paid in one month, or on buyers' regular monthly pay day in the month following delivery; afterwards, net. Tins and cases free (not returnable). Drums loaned and invoiced at sellers' current rates and credited in full if returned within four months, carriage forward and in good condition.

HYDROQUINONE.—Bulk rates are as follows: 10-cwt., 9s. 6d.; 5-cwt., 9s. 9d.; 1-cwt., 10s.; 28-lb., 11s.; 14-lb., 11s 3d.; 7-lb., 11s. 6d. per lb. Carriage paid in U.K.

HYOSCINE HYDROBROMIDE.—Makers' quotations are from 147s. 6d. to 150s. per oz., according to quantity.

ICTHAMMOL, B.P.—Supplies in drums are quoted from 3s. 6d. to 3s. 8d. and upwards; in 28-lb. tins, 3s. 9d. to 3s. 10d.; in 1-lb. tins, 4s. 6d. to 5s. per lb., as to seller.

MAGNESIUM HYDROXIDE, B.P.C.—Makers' price for 1-cwt. lots is 2s. 11d. per lb. with up to 3s. 7d. for smaller quantities.

MAGNESIUM OXIDE (B.P. LEVIS).—Prices for the home trade (per lb.) are as follows: Containers in brackets, 28 lb. to 1 cwt., 3s. 5d. (1-lb.); 3s. 4d. (2-lb.); 3s. 3½d. (4-lb.); 3s. 2½d. (7-lb.); 3s. 2d. (14-lb.); 3s. 1d. (28-lb.) per lb. Larger quantities range from 2s. 4½d. to 2s. 6d. per lb. in 28-lb. packages, as to quantity, carriage paid.

METHYLTHIONINE CHLORIDE.—Quotations are from 8s. 6d. to 10s. per lb., according to quantity.

PEPTONE. — Importers' quotations are from 13s. to 15s. per lb., as to quantity.

PHENOBARBITONE.—Manufacturers' prices are 40s. 6d. per lb. for 7-lb. lots and 39s. for 28-lb. lots with prices for other quantities in proportion. The corresponding rates for the SODIUM SALT are 43s. and 41s. 6d.

PHOSPHATES.—Prices per lb. are as follows: AMMONIUM, from 2s. 6d. to 2s. 10d.; POTASSIUM, granular, 4s. 2d., powder, 4s. 5d.; SODIUM, 7½d. to 9d. (exsiccated, 2s. 2d. to 2s. 6d.); SODIUM ACID, 1s. 9d. to 2s. PHOSPHORIC ACID, B.P., is from 1s. 2½d. per lb. in carboys, and from 1s. 5½d. to 1s. 7d. in winchesters.

STROPHANTHIN.—Makers' quotations for B.P. is at 14s. per gm. and for OUABAIN (STROPHANTHIN K), 8s. 6d. per gm.

Crude Drugs

ALOES.—Cape, on the spot, is available at 145s.; shipment offers are at about 138s., c.i.f. Curaçao in boxes is offered at 210s. to 230s., spot; forward, 200s., c.i.f. Socotrine, 156s. to 190s. per cwt.

BENZOIN.—Sumatra almondy block on the spot is available at prices from £15 to £17 per cwt., as to quality.

CAMPHOR.—Chinese tablets are quoted at 9s. 9d. to 10s. 9d. per lb., duty paid; refined powder (B.P.) is quoted at 9s. to 9s. 3d., with B.B grade at 8s 6d.; crude powder, 7s. 6d. per lb.

CASCARA SAGRADA.—1947 peel on spot is quoted at 255s. to 260s. per cwt.; 1946 is at 265s. New-crop prospects reported poor.

CINNAMON.—Quillings on the spot are quoted at 1s. 6d., featherings at 1s. 3d. and chips at 9d. per lb.; 0000 quill, in bundles, 5s. per lb., spot.

GINGER. — Market continues steady. African, spot, 65s.; new crop, May-June shipment, 65s., c.i.f. Jamaican, No. 1, 115s.; No. 2, 102s. 6d.; No. 3, 100s. per cwt.

GUM ACACIA.—Kordofan cleaned sorts is steady at 66s. per cwt., spot London; for shipment, 62s., c.i.f. Bleached No. 1 is quoted at 137s. 6d., ex store. Talha cleaned, 40s., ex warehouse; 40s., c.i.f., per cwt.

LIQUORICE.—Anatolian natural root is easier at 47s. to 50s. per cwt., spot. Syrian natural is at 45s. per cwt., spot. Italian block, 375s. per cwt., spot. Italian stick (1-oz. and 2-oz.). from £450 to £535 per ton, as to quantity and grade. Turkish block, 235s. to 240s. per cwt.

MENTHOL.—Firm. Brazilian on the spot is quoted at 43s. 6d. to 46s. per lb., duty paid, according to seller. Shipment, June-July, 45s., c.i.f.

OLIBANUM.—Fair to good drop, from 200s.; pea size, 200s.; good garblings, 160s.; seeds, 170s.; siftings, 95s. per cwt.

ORANGE PEEL.—Spanish quarters, 1s. 3d. to 1s. 6d., spot; sweet ribbon is quoted at 1s. 9d.; bitter ribbon, 1s. 3d. per lb., in Liverpool.

PODOPHYLLUM.—American (*peltatum*) is available at 3s. 3d. per lb., duty paid. Stocks of Indian have been cleared.

PSYLLIUM SEED.—French black is offered at 2s. 3d. per lb., duty paid.

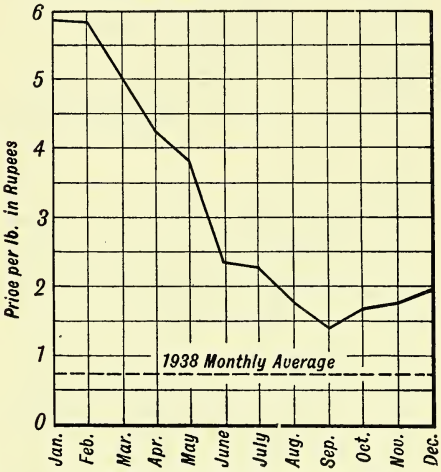
SENNA.—Steady. Tinnevelly leaves on the spot, offered as follows: No. 1, 9d. to 1s. per lb.; No. 2, 8d. to 9d.; No. 3, 6d.; No. 4, 5½d. to 6d. Tinnevelly pods, handpicked, 10d. to 1s. 4d.; manufacturing, 5½d. to 6d. Alexandrian pods, handpicked, spot, from 4s. 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing from 1s. to 1s. 9d. per lb., Alexandrian leaves, 1s. 2d. per lb., quoted for f.a.q.

VALERIAN.—Belgian root is at 175s. to 180s. per cwt.; Indian, 160s. per cwt.

Essential and Expressed Oils

ALMOND.—Sweet oil (B.P.) is quoted at 8s. 6d. to 9s. Bitter essential oil from 30s. to 55s. per lb., as to quality and seller.

CITRONELLA.—Ceylon in drums is steady at 3s. 9d. to 4s. 3d. per lb., spot; shipment,



Citronella oil prices in Ceylon, 1947

3s. 3d., c.i.f. Java continues nominal at 10s. to 12s. per lb. on the spot; 8s. 3d. in bond; shipment, 7s., c.i.f.

CLOVE.—Quotations for English-distilled bud oil are from 11s. to 12s. per lb.

EUCALYPTUS.—70-75 per cent. (B.P.) is offering at 4s. 6d. per lb. for drums, and up to 6s. for smaller quantities; shipment, 3s. 8d., c.i.f.

GERANIUM.—Bourbon is offering at prices from 60s. to 70s. per lb., as to grade.

GINGER.—Prices are from 70s. to 85s. and upwards per lb., according to grade and seller.

GUAIACWOOD.—Spot supplies are quoted at 18s. to 20s. per lb.

JUNIPER BERRY.—Imported oil is offered at from 25s. to 30s. per lb.; English distilled is quoted from 35s. to 100s. per lb., according to grade.

PEPPERMINT.—English-distilled "Mitcham," is quoted at 180s. to 225s. per lb.

PIMENTO BERRY.—English-distilled oil is quoted at 47s. 6d. to 57s. 6d. per lb. and upwards, according to quantity and grade.

PINE.—*Pumilionis* is quoted at 18s. to 20s. per lb., spot; *sylvestris*, 12s. 6d.

TEASEED.—Quotations are at 60s. per gall. of 9 lb. In good demand.

VETIVERT.—Java is quoted at 135s. per lb., on the spot; Bourbon, 125s. to 145s.

YLANG YLANG.—Bourbon is quoted at 65s. to 100s. per lb., as to grade and seller.

TRADE MARKS

(*From "The Trade Marks Journal," April 28*)

"LUNAR MIST" and "CASSIOPEIA"; for non-medicated toilet preparations, cosmetics and soaps (3). By Jasco, Ltd., 74 Regent Street, London, W.1. 657,892 and 657,897.

"BLEUGENE"; for preparations for the hair (3). By Eugène, Ltd., Edgware Road, London, N.W.9. 658,021 (Associated).

"REONA"; for non-medicated toilet preparations, cosmetics, soap, but excluding brilliantine (3); "PYNOVAPE"; for medicated inhalants containing pine oil (5). By Astropine, Ltd., Watts Grove, Bromley-by-Bow, London, E.3. 662,716-17.

"GALAMALT"; for pharmaceutical preparations and infants' and invalids' foods, all made from or containing malt (5). By Galactina & Biomalz A.G., Belp, Switzerland. 651,293.

"CYCLOSEDAL"; for all goods (5). By the Wellcome Foundation, Ltd., 183 Euston Road, London, N.W.1. 652,424 (Associated).

"SPICER" and pestle and mortar in circular design (word "Spicer" disclaimed); for pharmaceutical preparations (5). By Affined Basic Chemicals, Ltd., 42 The Broadway, London, W.5. B652,659.

"TRAVOGEN"; for pharmaceutical preparations (5). By Clay & Abraham, Ltd., 87 Bold Street, Liverpool, 1. 655,331.

"HAVAGO"; for chilblain lotions (5). By Edward Arthur Burgon, Vale Place, Haverhill, Suffolk. B655,582.

"LUMOXYL"; for preparations of iodoxyl for injection; "DIOVASTIN"; for pharmaceutical preparations (5). By Hirst, Brooke & Hirst, Ltd., Sheepscar Street South, Leeds. 656,213 and 658,126.

"FONTA"; for pharmaceutical preparations for human and veterinary use; and sanitary substances; excluding goods derived from an arsenical base (5). By Fontaine (Perfumes), Ltd., Chester Road, Castle Bromwich, Warwicks. 656,567.

"TRISULPHAM"; for pharmaceutical preparations of sulphonamides (5). By May & Baker, Ltd., Dagenham, Essex. B656,738 (Associated).

"SUTTEXACREPE"; for crêpe bandages (5). By W. Sutton & Co., Druggists' Sundries (London), Ltd., Horseshoe Lane, Chase Side, Enfield, Middlesex. 657,859 (Associated).

"PAN-NUTRON" and "HEMONUTRON"; for pharmaceutical preparations (5). By Nion Corporation, 1001 North McCadden Place, Los Angeles, California, U.S.A. 658,400-01 (Associated).

"IRRIPAX"; for pharmaceutical preparations for allaying irritations caused by insect stings (5). By Rosemary Sefton, Machynlleth, Montgomerys. 658,402.

"WEDA"; for hearing aids for the deaf, and component parts included in this Class (10). By Frank Westerman (Wholesale), Ltd., 94 Dale End, Birmingham, 4. 658,487.

"VIM"; for surgical syringes and similar apparatus, all for sale in the United Kingdom and for export to all other countries of the world except the United States, Canada, the West Indies and Central America (10). By Needle Industries, Ltd., 106 Edmund Street, Birmingham. 657,725 (Associated).

"OSKATAB"; for pharmaceutical tablets (5). By Ashe Laboratories, Ltd., 120 Victoria Street, London, S.W.1. 658,761.

"OPLAR"; for optical lenses (9). By Société Anonyme Optique et Precision de Levallois, 102 rue Chaptal à Levallois-Perret, Paris. 657,343

COMING EVENTS

Monday, May 24

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Colmore Row, Birmingham, at 7.45 p.m. Annual meeting.

ISLE OF THANET BRANCH, PHARMACEUTICAL SOCIETY, Saracen's Head Hotel, High Street, Margate, at 8 p.m. Annual meeting.

Tuesday, May 25

BIRMINGHAM BRANCH, NATIONAL PHARMACEUTICAL UNION and BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Chamber of Commerce, New Street, Birmingham. Annual meetings (N.P.U. at 7.45 p.m.; Association at 8.30 p.m.).

BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY (JUNIOR SECTION), Palatine Hotel, Blackpool, at 7.30 p.m. Mr. James Buchanan on "Diphtheria Antitoxin and Prophylactics," and film show.

BRIGHTON AND HOVE BRANCH, PHARMACEUTICAL SOCIETY, Union Church Institute Hall, Queen Square, Brighton, at 8 p.m. Annual meeting.

Wednesday, May 26

WIMBLEDON PHARMACISTS' ASSOCIATION. Visit to pharmaceutical department of Guy's Hospital, St. Thomas Street, London, S.E.1, assembling at main entrance at 2.55 p.m.

Thursday, May 27

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.30 p.m. Annual meeting.

LONDON CHEMISTS' GOLFING SOCIETY. Fixture at Moor Park Golf Club (Telephone: Rickmansworth 3146).

Friday, May 28

BRADFORD BRANCH, NATIONAL PHARMACEUTICAL UNION, Midland Hotel, Bradford, at 7.30 p.m. Mr. T. Heseltine on "National Health Service Terms and Conditions."

EXETER SECTION, CHEMICAL SOCIETY, Washington Singer Laboratories, Prince of Wales Road, Exeter, at 4.30 p.m. Professor M. Stacey, D.Sc., on "Advances in Immunochemistry."

GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 5 p.m. Branch delegates' meeting.

NORTH NOTTINGHAMSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION, Victoria Hotel, Albert Street, Mansfield, at 7.15 p.m. Consideration of report on National Health Service negotiations and the N.P.U. plan for payment.

Saturday, May 29

GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London W.C.1, at 2.30 p.m. Annual meeting.

Sunday, May 30

CORNISH BRANCH, NATIONAL PHARMACEUTICAL UNION, St. John's Ambulance headquarters, Truro, at 2.30 p.m. Annual meeting.

QUALITY

—AT THE RIGHT PRICE

BAYER ASPIRIN is definitely in the "quality" class, yet the selling prices are such—1/3 for 25, 3/8 for 100, including tax —that the widest range of your customers can afford it.

FOR THE PHARMACIST Bayer Aspirin is an attractive proposition: there is 6d nett profit on 25's and 1/5 on 100's when bought on best bonus terms; and you create satisfied customers.

BAYER ASPIRIN

'CODALGIN' brand of Bayer Aspirin + phenacetin + codeine is making great strides in its attractive and convenient new pack. For relief of headache, neuralgia, periodic pain and toothache this combination has no equal.

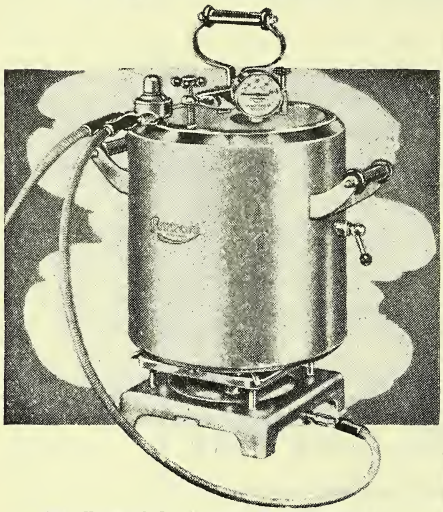
THE SELLING PRICE is 2/2 inc. tax for 20 tablets. There is a bonus of 13 to the dozen in return for counter display, giving you a nett profit of 8½d per packing.

'CODALGIN' Trade Mark

BAYER PRODUCTS LTD · AFRICA HOUSE · LONDON · W.C.2

PENTECON · PENTECON · PENTECON · PENTECON

the advantages of the NEW PENTECON Autoclave



THERMOSTATIC CONTROL

The thermostat, independent of the pressure factor, is the most accurate means of obtaining a consistent temperature. Designed for use over a gas ring or portable burner, it is constantly in control, after initial adjustment to suit the requirements.

Made from a special formula aluminium, the 'Pentecon' is light and handy to move about. The lid design provides a steam-tight joint, which cannot be opened under pressure.

To use saturated steam, allowing operation at lower pressure in relation to temperature, an Air Blow-off Valve is fitted. A Pressure Regulator Valve whistles when the required temperature is reached.

The temperature of a liquid in an open vessel within the 'Pentecon' can be checked by previously inserting a chemical thermometer through a gland in the lid.

CAPACITY—11" x 10½". Contents approx. 26 pints or seven 20 oz., or M.R.C. Standard Blood Bottles.

The 'Pentecon' is economical in price and operating costs. Price (excluding gas ring and flexible tubing, which are not supplied) **£16.16.0**

A fully descriptive leaflet will be sent, post free, on request to Dept. 3, Pentecon, Ltd., Accrington. Please mention the name and address of your normal supplier.

PENTECON LTD. ACCRINGTON

Bush Beach & Gent Ltd.

BRITISH MANUFACTURED

POTASSIUM SULPHATE

(Commercial and B.P.C.)

COMMERCIAL GRADE 94/95% — Practically White

Available for prompt and early forward delivery.

B.P.C. GRADE

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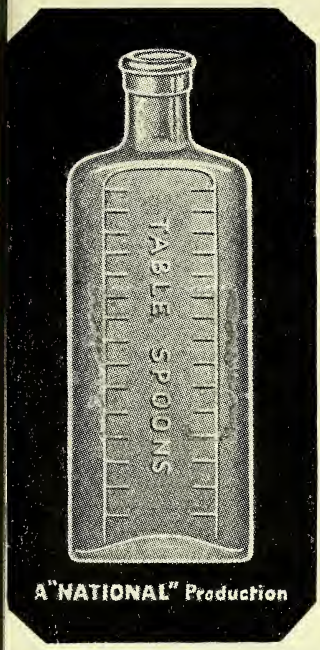

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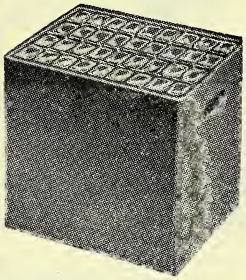

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Make a note of this!

Important Price Announcement from Gillette

Consequent to the reduction in Purchase Tax announced in the Budget, retail prices of blades and sets for Great Britain and Northern Ireland, despatched from the factory on or after 9th April 1948, will be as follows:

RAZOR BLADES

Retail Prices including Purchase Tax.

Blue Gillette

10's. **2/8** 5's. **1/4** PER PACKET.

Thin Gillette

12's. **2/3** 6's. **1/1½** PER PACKET.

7 o'clock

12's. **1/10** 6's. **11d** PER PACKET.

Valet

10's. **2/8** 5's. **1/4** PER PACKET.

RAZOR SETS

Retail Prices including Purchase Tax.

3-piece Gillette Razors

No. 25	**3/1**
„ 31	**4/6**
„ 27	**5/-**
„ 44	**5/6**
„ 77	**6/5**
„ 40	**30/-**

One-piece Gillette Razors

(*Supply limited to allocation*)

No. 48	**12/-**
„ 15	**28/9**
„ 21	**24/9**

Valet Razors

No. 99	**8/3**
„ 101	**11/-**

Consult your wholesale supplier re trade terms.
Deliveries subject to availability.

Gillette, Valet and 7 o'clock products are sold under Patentee's Price Licence.

Gillette Industries Limited

Gillette Corner, Great West Road, Isleworth, Middlesex.

It's by Pears...
It's new...
It's different...

Gloria

Liquid Shampoo

CONTAINING
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1 Leaves every single hair perfectly clean.

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3 Reveals exciting new natural tints in the hair.

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And now the **TEAT** *with* **ALL** *the selling points*

- CUSHIONED FOR MOUTH-COMFORT
  see special moulded ribs
- EASY FITTING
  note divided stem
- PURE LATEX CONSTRUCTION
  permits repeated sterilization
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  by moulded safety ring
- ANTI-COLIC DESIGN
  medically recommended
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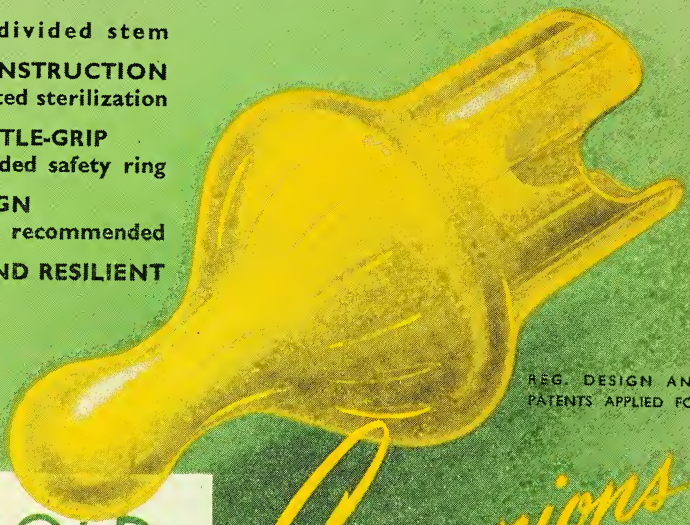

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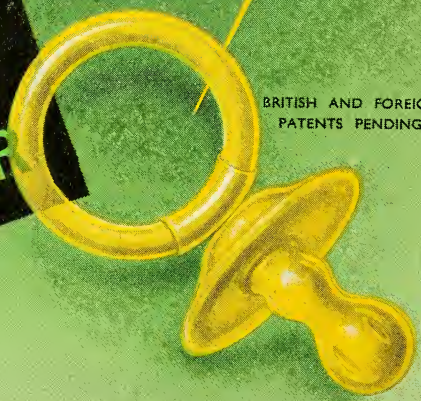
Companions in Comfort

MARIGOLD REGD *Cushion* COMFORTER



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in 8 transparent shades which are smearless and smudgeless and remain fast to eating, drinking, etc., for at least 8 hours.

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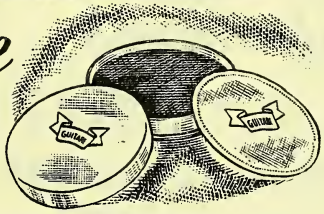
the lipstick. Of perfect tone and texture. Rouge Guitare is sought after by all smart women for enhancing natural beauty.



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Does not dry the skin. A delightful skin conditioning creamy foundation. In 8 shades. It contains Lanolin and cannot dry the skin.

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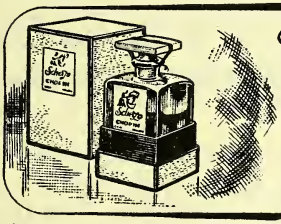
Lengthens and strengthens the lashes. Contains no caustic or other harmful ingredient. Does not smart. Does not run. In four shades and colourless. Tube or cake. A big favourite with modern women.



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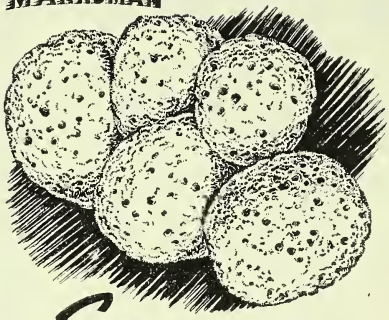

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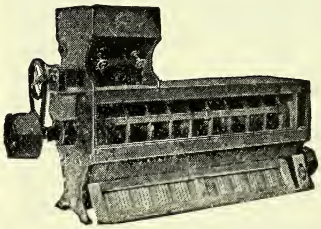

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IT WILL SOLVE YOUR BOTTLE-WASHING PROBLEM

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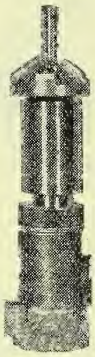

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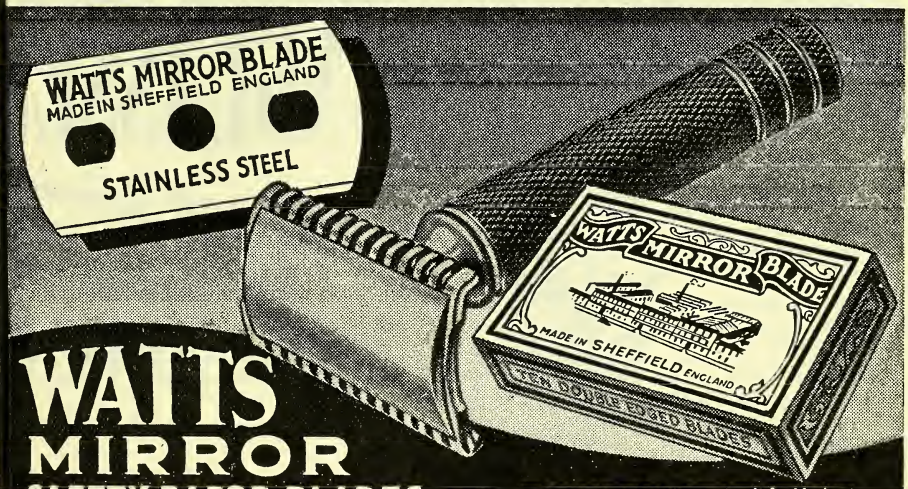

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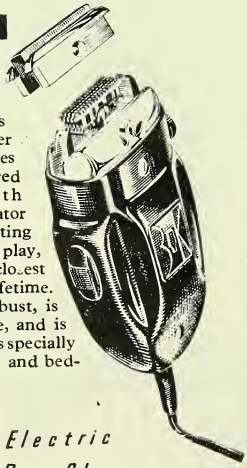
The BUK wins . . . on its head



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Fitted with

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THE POWDER WITH A REPUTATION

For over 30 years Scotland's leading Proprietary Medicine

for the speedy relief of Headaches, Neuralgia, Neuritis and all Nerve Pains.

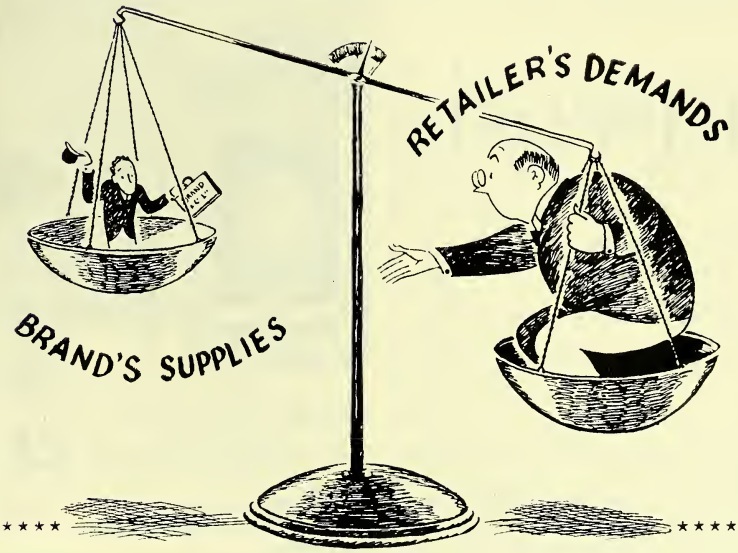
Manufactured by

ASKIT LTD MANUFACTURING CHEMISTS GLASGOW N

and stocked by

ALL LEADING WHOLESALE HOUSES

Little-known Limericks—No. 9 (Reprinted)



The salesman who travels for Brand's
Has a difficult task on his hands.
With fairness and tact
He must drive home the fact
That supplies do not balance demands.

It will probably be some time yet before manufacturers can produce enough to keep up with the demand. But, in the meantime, we are doing the best we can for all our customers by distributing our limited supplies on a fair quota basis.

Brand & Co. Ltd., London

Antisepsis

The Time Factor

In estimating the true nature of an antiseptic, Time is a dimension. An antiseptic may be entirely efficient in that, over a given area, it destroys all pathogenic organisms. But there remains to be considered the risk of fresh contamination.

The protection given by 'Dettol' is prolonged. Unless washed off or grossly contaminated, 30% 'Dettol' painted on the unbroken skin and allowed to dry will remain bactericidal against *streptococcus pyogenes* for at least two hours.*

* *This experimental finding (J. Obstet. Gynaec. Brit. Emp. Vol. 40 No. 6) has been confirmed in obstetric practice extending well over a decade.*

'DETTOL'

THE MODERN ANTISEPTIC

RECKITT & COLMAN LTD., HULL AND LONDON
(PHARMACEUTICAL DEPARTMENT, HULL)

A Superfine Perfumed Borated Talc
SHOWING A MINIMUM PROFIT OF 8d. Per Tin
MADE BY CHEMISTS—SOLD ONLY BY CHEMISTS

Retail Price **2/2** Per Tin

Sole Agents:
MEGGESON & CO., LTD.
Chessington Hall, Chessington, Surrey
Manufactured by:
CARLTON PHARMACEUTICAL INDUSTRIES LTD, LONDON, W.3.

New Era

DESBY'S

pure

HONEY, GLYCERINE & LEMON

Cough Linctus

a popular product at a popular price, made from *real* Lemon Juice, *pure* Honey and Glycerine. The ingredients speak for themselves — you cannot afford not to stock this quick-selling line.

Ask also for particulars of our other pure food products

Sole Distributors in Scotland
Pharmaceutical Distributors Ltd., 187, St. Vincent Street, Glasgow, C.2.

WINTER ADVERTISING CAMPAIGN includes leading newspapers in all districts. Now is the time to stock and display.

Manufactured by
D. Bee Food Products Ltd., New Charles St., Goswell Rd., E.C.1.

'ROCHE' NEWS IN BRIEF

'Roche' Price List

he new edition of the 'Roche' Price st has just been published showing the anges in purchase tax. Attention has ready been directed to several important itamin preparations which have recently en made available. A list of the Purase Tax Exemption appeared in the Chemist and Druggist," April 24. A py of the list will be supplied on applition.

'Navigan' Show Cards

new display card for 'Navigan' has en produced to promote sales of this pular travel-sickness remedy, which is creasingly in demand at this season. A ow-card will be sent to chemists upon plication.

Vitamin C in Bone Formation

he opening of healed wounds and the eaking down of fractures in scorbutic ilors, noted by earlier seafarers, have nce been attributed to the lack of vitamin . That the vitamin is a necessary prequisite for wound healing has been oved conclusively from the work of unt[1] and Crandon[2]. Bourne[3], also, has vestigated the tensile strength of wounds partial vitamin C deficiency and found relationship between the tensile strength the wound and the total blood vitamin . Vitamin C, therefore, is particularly nportant in surgery and many investigaons have been reported. It is considered y Bartlett[4] that the amount and duration vitamin C deficiency in patients after rgical operation is greatly influenced by e magnitude of the operation itself.

Before and after tooth extraction the saturation" of patients with ascorbic acid as been recommended by Campbell and ook[5]. Investigations have shown that, apart from reducing pain and bleeding to a minimum, the vitamin considerably helped in the healing of the gum tissue and the absorption of the alveolar bone margin. ('Redoxon' tablets, 200 mg., have recently been introduced for intensive vitamin C medication.)

1. Brit. J. Surg., 1941, 28, 436.
2. New Eng. J. Med., 1940, 222, 748.
   Ibid, 1940, 223, 353.
3. Lancet, 1944, i, 692.
4. New Eng. J. Med., 1942, 226, 469 and 474.
5. Brit. Dent. J., 1942, 72, 6.

Vitamin C and the Common Cold

After experience of its use in a variety of infectious diseases an Australian practitioner began to use large doses of Vitamin C to abort the common cold and has now treated more than 100 cases over a period of three years. The results were particularly encouraging. The recommended treatment is as follows:—750 mg., further 500 mg. three or four hours later if the cold is still present and, if it has not been aborted by the second day, a further dose of one gram which may be repeated on the third day, the dosage decreasing thereafter. If the initial dose was given early enough the cold was aborted in about 50 per cent. of the cases and the remainder suffered much less severely than they would have done otherwise. (Med. J. Aust., 1947, *ii*, 777.)

'Sedormid'

Will pharmacists please note that 'Sedormid' has been withdrawn from Schedule VII of the poisons regulations and is now included in Schedule IV as from May 10. It will therefore be permissible to supply 'Sedormid' Tablets against prescriptions only.

JOHN PEPPER & CO. LTD.

Manufacturers of

Lockyers Sulphur Hair Restorer 4/4½

Peppers Sulpholine Lotion 1/7½ & 3/10

Keenes One Night Corn Cure 1/7

Bunters Nervine 1/7

Kayes Wordsells Pills 1/7, 3/9 & 6/3

All Retail Prices include Pur. Tax

If supplies are difficult please let us know

BEDFORD LABORATORY
122 MAGDALEN STREET, NORWICH

Dental Sticks are specially made for massaging the gums — They are not Tooth-picks —

Dental Sticks are manufactured from various types of specially selected soft and hard woods and also from whalebone and are intended entirely for massaging the gums between the teeth.

BRITISH DENTAL STICKS LIMITED
NEWCASTLE-ON-TYNE 4

MARION MOORE'S
Shampoo

An excellent liquid Shampoo, quick selling, good profits. Nationally Advertised. Show material available

NOTE THE POPULAR PRICES

Sold in 4 sizes: 9d. 1/2 2/- 3/6 (incl. P.T.)
Trade Price per doz.: 4/10 7/6 13/- 23/-
plus 1/8 2/6 4/3 7/8 (P.Tax)

Distributors to the Chemist Trade:
MAY, ROBERTS & CO. LTD.
47 Stamford Hill, London, N.16 *Tel.:* STA 1260
HANNETTA LTD., Humber Road, London, N.W.2

TAMPAX
SANITARY PROTECTION
Worn Internally

PERCENTA
THE CONTAINER PEOPLE

Containers of Metal Glass, Aluminium and Plastic

(PERCENTA LTD.) Tel: Hop 0516 (6 lines)
Percenta House, 130/2 Tooley Street, London, S.E.1.

RECOMMENDED FOR NERVES

DR. NIBLETT'S
VITAL RENEWER
NERVE SEDATIVE

***for* 70 YEARS**

Retail price 6/- per bottle including purchase tax

TRADE DISCOUNT 33⅓%

C. P. NIBLETT (Est. 1870)
10 LICHFIELD TERRACE, RICHMOND, SURREY
Telephone: RIChmond 3221

SOAP
SHAVING STICK
OINTMENT
TALCUM

—for Sensitive Skins!

for the COMMON COLD . . .

During the coming months, there are always colds about. For rapid and effective treatment, your customers will expect to obtain Serocalcin *from stock.* Please maintain a stock for this purpose.

P.A.T.A.

Serocalcin is packed in 20's and 60's

SEROCALCIN

FOR THE PREVENTION AND TREATMENT OF COLDS

★

Pharmacists are reminded that the sole selling agents for Serocalcin in the United Kingdom are J. C. ENO Ltd., Watford, Herts. (Watford 7761) to whom all orders and enquiries should be sent.

HARWOODS LABORATORIES LTD · WATFORD · HERTS

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2. (61/31

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2.

MAY 22 1948

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. It is therefore advisable to send instructions as early as possible. All advertisements in this section must be prepaid. Box office numbers 2/- extra.

acancies advertised are restricted to persons or mployments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

for 36 words or less, 3d. for every additional word

RETAIL (HOME)

RMINGHAM. Qualified manager required, for -established business, with reasonable dispensing, nection. Permanency offered to right person, le or female. Salary and commission offered. L. Highfield, Ltd., Bearwood Rd., Smethwick, ffs.

PERIENCED PHARMACIST required to manage a iness in market town in Hertfordshire. Good se will be made available to applicant with vious experience of this type of business, and e to build up neglected dispensing connection. manency. Apply Box 3/612.

NSINGTON. Manager required for pharmacy in h-class district. Ability to build up dispensing nection essential. Living accommodation and d salary. Apply Box 3/611.

TON, E.10. Wanted, a junior girl drug hand l packer for retail pharmacy. Apply stating age, ary, experience (not essential). Write Box 86.

NCOLN. Assistant, qualified or unqualified, re- red for dispensing and counter. Turnover sub- ntial, middle-class business, several counter stants employed. Apply with usual particulars Cook's, Chemists, Lincoln.

ERPOOL, northern suburb. Qualified senior, her sex, for good class, busy, and modern phar- cy, able to take complete charge if required. od experience photographic and toilets desirable. rmanent congenial position; can wait for the nt man. Fullest particulars in first letter, and ary required. Allen Jones, 21 Moor Lane, Great sby, Liverpool, 23.

NCHESTER. Pharmacist, either sex, required old-established good class dispensing business. rmanency if suitable. No Sunday duty. Fullest ticulars in first letter and salary required to S. Breese & Son, Ltd., 191 Wilmslow Rd., sholme. Manchester, 14.

DDLESEX. A capable pharmacist is required to nage a good-class pharmacy in Twickenham. od salary to experienced man able to control f and stock and extend business. Apply Box 25.

RTH LONDON. Energetic young manager alified) wanted for a pharmacy in a northern urb. Living accommodation available. Perman- cy with good prospects. Apply Box 3/613.

RTH-EAST DURHAM. Ambitious qualified che- st required. Permanency with prospects of future ectorship if suitable. Duties: Take charge re- l department and light manufacturing, main nch. Old-established retail and wholesale firm. ply Box 3/704.

PETERBOROUGH. Pharmacist wanted for busy shop with large and varied turnover in city centre. Permanency with good prospects for suitable applicant. Apply, giving full particulars as to age, experience, and salary required, to Sturton & Sons, Ltd., 73 Bridge St.

PHARMACIST-OPTICIAN required for large, modern and old-established pharmacy in pretty West Wales town. Salary will be good and an interest given immediately in the optical dept. Later, an interest in the whole business will be available. Box 3/669.

SOUTH LONDON. Pharmacist, used to good-class family business, wanted shortly to manage branch near the Crystal Palace. No living accommodation, but satisfactory terms offered to capable man. Apply Box 3/610.

STEPNEY, E.1. Pharmacist required to manage a working-class main road business, with brisk counter and heavy N.H.I. Good terms offered to really competent man, including living accommodation in a suburban area. Permanent appointment. Apply Box 3/609.

TIMOTHY WHITES & TAYLORS have a number of vacancies for managers in the Metropolitan and Greater London area. Applications are invited from pharmacists with managerial experience. Satisfactory conditions of employment, including pensions scheme, available to suitable applicants. Please apply to Mr. W. E. Stokes, M.P.S., 70 Vauxhall Bridge Rd., London, S.W.1.

TIMOTHY WHITES & TAYLORS require a number of pharmacists for relief duties in the Greater London area during the coming season. Short or long periods acceptable. Previous multiple experience not essential. Liberal terms offered. Apply to Mr. W. E. Stokes, M.P.S., 70 Vauxhall Bridge Rd., London, S.W.1.

WESTON-SUPER-MARE. Qualified or unqualified assistant required. Good dispenser necessary. Apply Managing Director, Lewis Wing, Ltd., 86 Regent St., Weston-super-Mare.

WANDSWORTH, S.W.18. Pharmacist required to manage a family business (dispensing) in good-class residential area. Permanent appointment; good salary and conditions. Regret no living accommodation. Apply Box 3/608.

RETAIL (OVERSEAS)

CAPE PROVINCE, SOUTH AFRICA. Pharmacist, young, required, preferably single and with optical qualification. Commencing salary £50 per month. Further details from Orridge & Co., Employment Agency, 184 Strand, W.C.2.

LOCUMS WANTED

A QUALIFIED LOCUM (male) required for first fortnight in September or nearest. Early Bunn, Ltd., Chemists, 95 High St., Chelmsford, Essex.

NORWICH. Locum pharmacist required for dispensing department, July 5 to 10 and August 23 to 28. Jarrold & Sons, Ltd., 1 to 7 London St., Norwich.

LOCUM PHARMACIST, July 19 to August 30, West and Central London. Apply Box 3/713.

BIRMINGHAM. Qualified locum required periods June 14 to 26 and July 19 to August 28. Arrangements could be made to ease work for an elderly person. C. L. Highfield, Ltd., Bearwood Rd., Smethwick, Staffs.

WHOLESALE

BRITISH SCHERING MANUFACTURING LABORATORIES, LTD., have a vacancy for a pharmacist as assistant in the injection production department at Hazel Grove, Stockport. Duties will include solution manufacture and supervision of all stages of ampoule production. Previous experience desirable. Applicants should write, giving full particulars of qualifications and experience, to the Managing Director, 38 Fitzwarren St., Seedley, Salford, 6, Lancashire.

CHEMIST required by old-established manufacturing chemists to take charge dangerous drugs and manufacture of ointments and materials required by manufacturing departments. Full details of salary, experience, etc., in first letter to Box 3/695.

CHEMIST/WORKS MANAGER. Old-established firm manufacturing chemists require chemist to take charge dangerous drugs, manufacture of ointments, and materials issued to manufacturing departments. Additionally, certain duties of works manager. A suitable man would be given increasing responsibility. Full details of experience, salary, age, to Box 3/696.

CLERK with knowledge of proprietaries for wholesale house (London). State age, experience, and salary expected. Box 3/694.

COMMISSION AGENTS required to sell to chemists and druggists in several areas, including London, nationally advertised patented line. Full sales aids, including lists of customers, provided. Energetic men with proved sales records and good connections should send full details of lines now carried, territory covered, whether car owner and frequency of call on customers, to Box No. 254, Dorland, 18-20 Regent St., W.1.

ENERGETIC MAN (around 25) with some pharmaceutical knowledge (preferably practical) and anxious to improve it. When proficient will assist factory manager of well-known London proprietary firm in the production of pills, tablets, ointments, liquids. Hours: 8 a.m. to 5 p.m. Five-day week, pension scheme. Write fully, stating experience and wages required. Box 3/691.

HIGH COMMISSION and full expenses offered to representatives in London, Yorkshire, North Wales, Staffordshire, Shropshire, Hertfordshire, Eire and South-Eastern Counties for advertised product. Box 3/692.

LONDON SHIPPING HOUSE offers good position to capable person with knowledge of chemicals and pharmaceuticals. Possibly connections in this country as well as overseas. Some typing knowledge necessary. Box 15573, Urbach's Advertising Office, 63, Lancaster Grove, London, N.W.3.

MANUFACTURING CHEMIST requires experienced representative to take over well established connection in London area. Only first-class man used to calling on chemists need apply. Box 3/693.

OLD-ESTABLISHED firm of wholesale and manufacturing chemists, require a representative for Lancashire and Cheshire. The position is a progressive one, including salary, commission and expenses. The applicant must have experience in selling pharmaceutical preparations, etc., to doctors and retail chemists, and must be a car driver. Please apply, giving full details to Box 3/592.

REPRESENTATIVES required by well-known manufacturer of toilet preparations and hairdressers' sundries, to visit existing connections of hairdressers in the following areas: Glasgow and West of Scotland, Northumberland, County Durham, Midlands. Will only those gentlemen please apply who can claim long standing connections to the trade. Car owner preferred. Good remuneration. Box 3/651.

QUALIFIED CHEMIST (male) for managerial appointment with manufacturing chemists in Central Scotland. Fully experienced all branches. Salary according to experience. Apply, stating age, qualifications, and salary desired, to Box 4605. Robertson & Scott, Edinburgh.

REPRESENTATIVE required with live connection in London area South of the Thames, Kent, Surrey and Sussex, by manufacturing chemists of packed pharmaceutical chemicals, galenicals and toilet preparations. Existing sound connection will be transferred. Write in confidence to E. J. Hanson, 22 St. Faith's Rd., West Dulwich, S.E.21.

REPRESENTATIVE required with live connection London area North of the Thames, Middlesex and Essex, by manufacturing chemists of packed pharmaceutical chemicals, galenicals and toilet preparations. Existing sound connection will be transferred. Write in confidence to E. J. Hanson, 22 St. Faith's Rd., West Dulwich, S.E.21.

REPRESENTATIVES required for Eire and for area comprising Bristol and Counties of Somerset and Dorset by manufacturers of surgical dressings, sanitary goods and druggist sundries; to call on chemists, also drapers for sanitary goods only. Salary, commission and expenses. Box 3/606.

REPRESENTATIVES, all areas (except London), required to sell additional lines. Pharmaceuticals and toilets; excellent commission. Bryten Products, Ltd., Nettlefold Works, London, S.E.27.

REPRESENTATIVES calling on chemists required by manufacturers of high-class pharmaceutical products (quick selling lines). State area covered and kind of lines carried. Box 3/705.

REPRESENTATIVE for Glasgow area by manufacturers of well-known branded C.F. lines, calling on wholesale and retail chemists. Applicants should be first-class salesmen with excellent references. Full details to Box 3/684.

SPONGES. Travellers/representatives calling chemists, stores, Co-ops., hairdressers, wanted all areas. Commission only. For particulars, write Box 3/664.

TABLET MAKER experienced in handling single punch and rotary machines required by a well-known firm of manufacturing chemists in N.W. London. This is an excellent opportunity for a steady and reliable man. Please write stating age, experience and salary required to Box 3/623.

THE BRITISH DRUG HOUSES, LTD., invite applications from pharmacists to fill vacancies on their medical representative staff. The territories concerned include N.W. England, Southern England (Hampshire, Berkshire, etc.), N.E. London and the Eastern Counties. Previous training is not essential, but applicants should be keenly interested in therapeutics and modern trends in medicine; they should be of good address and have a pleasing personality. Apply by letter, giving full details to the Personnel Manager, REF./AS, The British Drug Houses, Ltd., Graham St., London, N.1.

WHOLESALE (OVERSEAS)

ASST. WORKS CHEMIST for pharmaceutical manufacturing company in Bombay. Pharmacist or B.Sc., with manufacturing experience. 3 years' agreement, first-class passage. Liberal terms. Provident fund. Age between 24-30 years. Excellent prospects to man with initiative and energy. Managing Director now in London. Applications with full particulars to Box 3/654.

CHEMISTS urgently required by large industrial concern operating in the Middle East. Will be employed either on development or process work and should be prepared initially to undertake shift work on process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Salary according to qualifications and experience, together with allowance in local currency. Free furnished bachelor accommodation, passage out and home, medical attention and kit allowance. Applicants must be of full British parentage and should write stating age, qualifications and experience, quoting Dept. F.18 to Box 1082 at 191 Gresham House, E.C.2.

MPERIAL CHEMICAL INDUSTRIES, LTD., have acancies in their pharmaceutical division for work n Panama and E. Africa after training at home. ge between 25 and 30, preferably single. Quali-cations B.Pharm., B.Sc. (Ph.), Ph.C. or M.P.S. egrees are essential. In addition, candidates hould have a business acumen, personality and cceptability. Salaries will be according to age nd qualifications and together with conditions of ervice abroad will be discussed in detail at inter-iew. Application forms can be obtained from Central Staff Department, Imperial Chemical In-ustries, Ltd., 2 Grosvenor Pl., S.W.1.

SITUATIONS WANTED

/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

HARMACIST, 31, married. Manager high-class ondon pharmacy desires similar position in West Country town. Unfurnished accommodation essen-al. Can wait for suitable post. Box 3/702.

UALIFIED CHEMIST (Swiss lady) at present nanaging well-known pharmacy in Davos, seeks osition with first-class London chemist for three nonths during summer in order to widen experi-nce. Also interested in obtaining agencies for ritish pharmaceutical products in Switzerland. Write Box 3/700.

TOCKTAKING, quiet and efficient workmanship, ver 30 years' practical experience. Personal super-ision. C. W. Playfoot, 8 Aylward Rd., Merton ark, S.W.20. Tel. Liberty 4104.

WHOLESALE

DVERTISER. Sales manager (39), desires change, ondon area. 15 years' experience. Excellent con-ections with leading wholesale buyers. Good or-aniser and used to working on own initiative. Lin-uist and widely travelled. First-class references. ox 3/482.

XPERIENCED COATER seeks situation, lifetime's ex-erience of panwork. Box 3/600.

HARMACIST with excellent experience export, im-ort sales, promotion medical propaganda, etc., ith sound personal connections Africa and Far ast, wishes represent reputable firm either terri-ory. Highest references. Please write in confi-ence. Box 3/683.

EPRESENTATIVE (35), enthusiastic and ambitious, ith established connection among chemists, rocers, etc., desires position with a reputable firm r drug house, Northern Ireland area. Interview ought. Box 3/679.

EPRESENTATIVE with 2,000 live accounts, chemists, o-op's, etc., both Home and Export, desires change ith House of repute. Box 3/629.

EPRESENTATIVE, now with manufacturing chem-t, desires change; wishes to join reputable and ell-established firm. London or South. Salary, xpenses and commission. Box 3/626.

ABLET MAKER seeks position in or near London. xperienced most machines. Brown, 10 Parkfield venue, Kingsbury, London, N.W.9.

APPOINTMENTS

ROYAL SOUTH HANTS AND SOUTHAMPTON HOSPITAL, SOUTHAMPTON.

Applications are invited from registered Pharmacists for the post of ASSISTANT PHARMACIST.

J.N.C. Salary Scale £370 x £15—£450 per annum. Commencing salary within Scale according to qualifications and experience.

Federated Superannuation Scheme in force.

Applications with full details and copies of recent testimonials to the undersigned.

FRANK JENNINGS,
House Governor and Secretary.

KING GEORGE HOSPITAL, ILFORD, ESSEX.

Applications are invited for the post of Assistant Pharmacist at the above Hospital. Appointment to commence July 1, 1948, with salary according to the J.N.C. Scale.

Applications with full particulars to be made to the Secretary and Superintendent.

KENT COUNTY COUNCIL

Applications are invited for the following appointment at the Willesborough Hospital, Nr. Ashford:—

PHARMACIST (M.P.S. or Ph.C.) either sex. Should have had not less than three years' hospital experience after qualifying. Salary £420 per annum, rising by five annual increments of £15 to a maximum of £495 per annum.

Private accommodation in the Sisters' Home can be offered to a female candidate, for which a charge of 25s. a week would be made.

Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
Clerk of the County Council.

County Hall,
Maidstone.
April 28, 1948.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at: ST. HELIER COUNTY HOSPITAL, CARSHALTON.

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive.

Applications in writing, stating age, qualifications and experience, with copies of not more than three recent testimonials, should be sent to the Medical Superintendent of the Hospital.

WEST RIDING OF YORKSHIRE MENTAL HOSPITALS BOARD. WHARNCLIFFE EMERGENCY HOSPITAL and WADSLEY MENTAL HOSPITAL.

APPOINTMENT OF DISPENSING ASSISTANT

APPLICATIONS are invited from persons holding the Certificate of the Society of Apothecaries of London for the position of Dispensing Assistant in the Joint Pharmaceutical Department of the above Hospitals.

Salary according to experience and within the Scales recommended by the Joint Negotiating Committee (Hospital Staffs), i.e., £270 per annum inclusive, rising by annual increments of £10 to £320 and followed by long service increments of £10 per annum every four years to a maximum of £350 per annum inclusive.

Applications, giving full details of qualifications, experience, etc., should be addressed as soon as possible to the Medical Superintendent, Wadsley Mental Hospital, Sheffield, 6, together with the names and addresses of two persons to whom reference may be made.

G. L. BANNER,
Clerk of the Board.

Board Offices, Wakefield.
May 1948.

ROYAL INFIRMARY, BRADFORD (498 beds).

ASSISTANT PHARMACIST required. Salary in accordance with Joint Negotiating Committee scale commencing at appropriate point. Applications with age, qualifications, and not more than three testimonials, to the House Governor.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

ADDITIONAL LINE offered to representatives well introduced in retail trade in London and U.K. Self seller, essential commodity, 10 per cent. commission. Box 3/690.

AGENTS wanted all over the country calling on wholesale chemists, Co-ops., grocers and sundriesmen to carry additional nationally advertised lines. Commission basis. Write, giving area covered, and rough details of present lines carried, to Box 3/280.

AGENTS wanted all over country, commission only, inexpensive perfumes. Must be live-wire salesmen with good connection wholesale and retail, Co-ops, chemists and hairdressers. Box 3/685.

PROVINCIAL AGENTS required by established manufacturers of toilet preparations. Commission basis. Territories reserved. Box 3/698.

AGENCIES WANTED

QUALIFIED CHEMIST (Swiss lady) at present managing well-known pharmacy in Davos, is interested in obtaining agencies for British pharmaceutical products in Switzerland. Also desires position with first-class London chemist for three months during summer in order to widen experience. Write Box 3/701.

BUSINESSES WANTED

8/6 for 36 words or less, 3d. for every additional word

WHOLESALE Sundries Business, anywhere South of Birmingham, with turnover £25,000/75,000. Must name records of business pre 1938. Principals and Solicitors, write in confidence. Box 3/617.

BUSINESSES FOR DISPOSAL

8/6 for 36 words or less, 3d. for every additional word

DOUBLE-FRONTED SHOP. Splendid main road position. Toilet requisites, household goods, cosmetics, fancy goods. 2 large glass showcases. Cash register. Large office. We have the shops either side let off to businesses: (a) Toys and baby linen, at £400 per annum exclusive, (b) Multiple Furnishing, Ltd., at £600 per annum exclusive. This leaves our business rent free. Lease 21 years—19½ years unexpired. Price, £2,000, plus stock at valuation, for business as going concern and lease of the three shops. To view, write to Angel Warehouse Co., Ltd., 74 Upper St., Islington, London, N.1.

SOMERSET. High-class toilet business in congenial country town; premises prominently situated in main shopping area; scope for development except as regards drugs and patent medicines against which there is a restrictive covenant; total purchase price £1,750; further confidential details upon application to Ernest J. George & Co., 329 High Holborn, London, W.C.1. Tel. Holborn 7406.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

HAVE YOU A PRODUCTION PROBLEM? Consulting Production Engineer will give confidential advice on problems arising from the manufacture of all types of household and toilet preparations. Specialist in the production of synthetic detergent tablets and powder. W. J. McConnell, 97 Venner Rd., S.E.26. Tel. No. Syd. 5620.

MEDICAL PRACTITIONER desires to contact pharmaceutical house to discuss manufacture and/or marketing of a rheumatism treatment which has been clinically tested. The preparation is in tablet form. If desired, manufacture can be arranged for. Write Box 712, c/o Misani, 49 Chancery Ln., W.C.2.

WANTED: Small office, with use of telephone, by marketing consultant with headquarters in Provinces, City, West End or East End. Will buy up or finance small business if necessary to gain objective. Please contact Geoffrey Searby, 45 Palace Rd., East Molesey, Surrey. Telephone Molesey 785.

WELL-KNOWN Manufacturing Chemists have available manufacturing capacity and could handle additional lines. Hygienic conditions, facilities to experiment, produce and pack. Write to Box 3/628.

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

AMYL ALCOHOL, surplus drum available. Offers per lb. Box 3/681.

BOTTLES. Surplus stock, 2, 3, 4, & 6-oz. Plain Flats, 6 oz. Hair Cream: Jars, 6 oz. Deep Amber Panel Flats, all complete with screw caps. Woods, Syke Works, Cleckheaton. Phone 86.

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Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.

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